GeoVision inc
The Vision of Security

GV-Mount Accessories

Installation Guide

Before attempting to connect or operate this product,
please read these instructions carefully and save this manual for future use.

MT-D

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GeoVision, Inc.
9F, No. 246, Sec. 1, Neihu Rd.,
Neihu District, Taipei, Taiwan
Tel: +886-2-8797-8377
Fax: +886-2-8797-8335
http://www.geovision.com.tw

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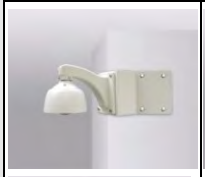
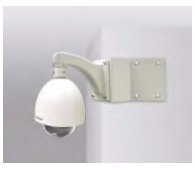
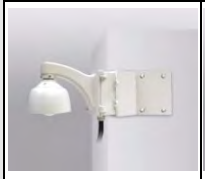
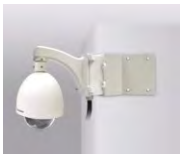
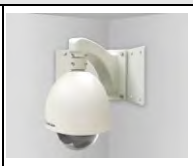
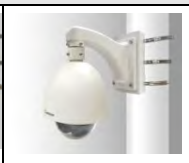
Installation Overview

	Vandal Proof IP Dome	Fixed IP Dome	Fisheye Camera	GV-SD220 or GV-SD220-S	Bullet Camera	Arctic Box Camera
Standard Installation						
Ceiling	**Hard Ceiling**					
				*GV-SD220 only		
	In-Ceiling					
Wall		**Wall-Surface**	**Wall Mount**	**Wall Pendant**	**Wall Mount**	**Wall Mount**
				*GV-SD220-S only		
Ground			**Ground Mount**			
Optional Installation						
Wall	**L-Shaped Wall Mount**	**L-Shaped Wall Mount**	**Tilting Wall Mount**			
	Wall Pendant Mount					

	Vandal Proof IP Dome	Fixed IP Dome	Fisheye Camera	GV-SD220 or GV-SD220-S	Bullet Camera	Arctic Box Camera
Optional Installation						
Ceiling	**In-Ceiling Mount**					
				*GV-SD220 only		
				*GV-SD220-S only		
	Straight Tube					
				*GV-SD220-S only		
	Straight Tube Box					
				*GV-SD220-S only		
Corner	**Convex Corner Mount**					
				 *GV-SD220-S only		
	Convex Corner Box Mount					
				 *GV-SD220-S only		

	Vandal Proof IP Dome	Fixed IP Dome	Fisheye Camera	GV-SD220 or GV-SD220-S	Bullet Camera	Arctic Box Camera
Optional Installation						
Corner	**Concave Corner Mount**					
				 *GV-SD220-S only		
Pole	**Pole Mount**					
				 *GV-SD220-S only		
	Pole Box Mount					
				*GV-SD220-S only		

Required Accessories

A variety of installation methods are designed for **GV-Vandal Proof IP Dome**, **GV-Fixed IP Dome**, **GV-Fisheye Camera**, **outdoor GV-IP Speed Dome, GV-Bullet Camera** and **GV-Arctic Box Camera** to be installed in different environments. Look up the required accessories from the table below. Contact your local dealer for more information.

Optional Installation Method		Required Optional Accessories
Ceiling Mount		
Straight Tube Box Mount	GV-FD Series	GV-Mount100 + GV-Mount902
	GV-FE Series	GV-Mount100 + GV-Mount903
	GV-SD220-S	GV-Mount100
	GV-VD Series	GV-Mount100 + GV-Mount901
Straight Tube Mount	GV-FD Series	GV-Mount101 + GV-Mount902
	GV-FE Series	GV-Mount101 + GV-Mount903
	GV-SD220-S	GV-Mount101
	GV-VD Series	GV-Mount101 + GV-Mount901
In-Ceiling Mount	GV-SD220	GV-Mount907
	GV-SD220-S	GV-Mount908
Wall Mount		
L-Shaped Wall Mount	GV-FD Series	GV-Mount900 for GV-FD Series
	GV-VD Series	GV-Mount900 for GV-VD Series
Wall Pendant Mount	GV-FD Series	GV-Mount200 + GV-Mount902
	GV-FE Series	GV-Mount200 + GV-Mount903
	GV-VD Series	GV-Mount200 + GV-Mount901
Tilting Wall Mount	GV-FE Series	GV-Mount904
Corner Mount		
Convex Corner Mount	GV-BL Series	GV-Mount300
	GV-BX-E Series	GV-Mount300
	GV-FD Series	GV-Mount300 + GV-Mount200 + GV-Mount902
	GV-FE Series	GV-Mount300 + GV-Mount200 + GV-Mount903
	GV-SD220-S	GV-Mount300 + GV-Mount200
	GV-VD Series	GV-Mount300 + GV-Mount900
		GV-Mount300 + GV-Mount200 + GV-Mount901
Convex Corner Box Mount	GV-FD Series	GV-Mount300 + GV-Mount203 + GV-Mount902
	GV-FE Series	GV-Mount300 + GV-Mount203 + GV-Mount903
	GV-SD220-S	GV-Mount300 + GV-Mount203
	GV-VD Series	GV-Mount300 + GV-Mount203 + GV-Mount901

Installation Method			Accessories Required
Corner Mount			
Concave Corner Mount		GV-BL Series	GV-Mount310
		GV-BX-E Series	GV-Mount310
		GV-FD Series	GV-Mount310 + GV-Mount200 + GV-Mount902
		GV-FE Series	GV-Mount310 + GV-Mount200 + GV-Mount903
		GV-SD220-S	GV-Mount310 + GV-Mount200
		GV-VD Series	GV-Mount310 + GV-Mount900
			GV-Mount310 + GV-Mount200 + GV-Mount901
Pole Mount	Ø 4'' ~ 6''	GV-BL Series	GV-Mount400
		GV-BX-E Series	GV-Mount400
		GV-FD Series	GV-Mount400 + GV-Mount200 + GV-Mount902
		GV-FE Series	GV-Mount400 + GV-Mount200 + GV-Mount903
		GV-SD220-S	GV-Mount400 + GV-Mount200
		GV-VD Series	GV-Mount400 + GV-Mount900
			GV-Mount400 + GV-Mount200 + GV-Mount901
	Ø 6'' ~ 7.5''	GV-BL Series	GV-Mount410
		GV-BX-E Series	GV-Mount410
		GV-FD Series	GV-Mount410 + GV-Mount200 + GV-Mount902
		GV-FE Series	GV-Mount410 + GV-Mount200 + GV-Mount903
		GV-SD220-S	GV-Mount410 + GV-Mount200
		GV-VD Series	GV-Mount410 +GV-Mount900
			GV-Mount410 + GV-Mount200 + GV-Mount901
Pole Box Mount	Ø 4'' ~ 6''	GV-FD Series	GV-Mount400 + GV-Mount203 + GV-Mount902
		GV-FE Series	GV-Mount400 + GV-Mount203 + GV-Mount903
		GV-SD220-S	GV-Mount400 + GV-Mount203
		GV-VD Series	GV-Mount400 + GV-Mount203 + GV-Mount901
	Ø 6'' ~ 7.5''	GV-FD Series	GV-Mount410 + GV-Mount203 + GV-Mount902
		GV-FE Series	GV-Mount410 + GV-Mount203 + GV-Mount903
		GV-SD220-S	GV-Mount410 + GV-Mount203
		GV-VD Series	GV-Mount410 + GV-Mount203 + GV-Mount901

IMPORTANT:

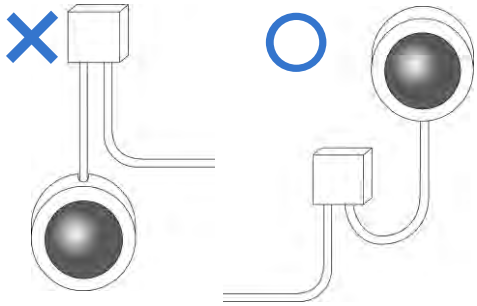
1. For **Straight Tube Box Mount**, **Convex Corner Box Mount**, **Concave Corner Box Mount** and **Pole Box Mount**, a user-prepared corrugated tube of **3/4''**, **ø 26.0 ~ 26.5 mm** is required. For example,

2. To extend the tube for **Straight Tube Box Mount** and **Straight Tube Mount**, purchase a GV-Mount702.

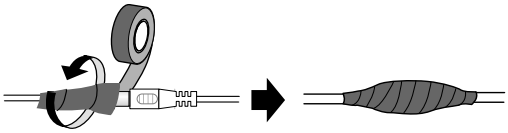
Note for Installing Camera Outdoor

When installing the camera outdoor, be sure that:

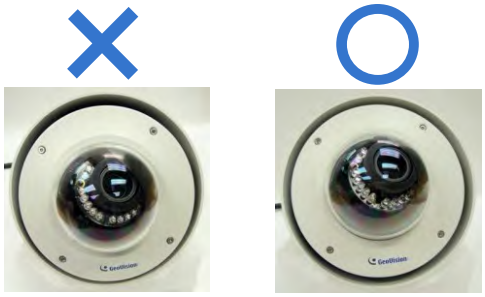
1. The camera is set up above the junction box to prevent water from entering the camera along the cables.



2. Any PoE, power, audio and I/O cables are waterproofed using waterproof silicon rubber or the like.



3. After opening the camera cover, ensure the screws are tightened and the cover is in place.



4. To prevent the lens from fogging up, ensure to replace the silica gel bag/desiccant pack every time you open the camera, and conceal the gel bag/desiccant pack in the camera within 2 minutes of exposing to open air. The silica gel bag/desiccant loses it effectiveness when the dry camera is opened.

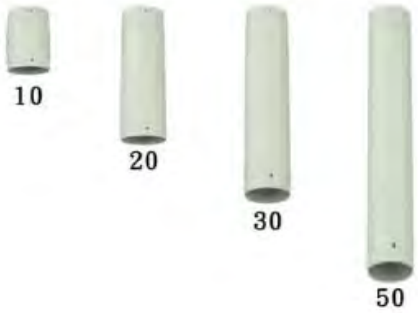
1. Introduction

1.1 Accessories List

Model No.	Name	Details
GV-Mount100	**Straight Tube and Junction Box Kit** 	**Dimensions** 200 x 170 x 257.5 mm / 7.9 x 6.7 x 10.1 in **Weight** 3.17 Kg / 6.99 lbs **Supplied with** M5 flat screw (15 mm) x 4 Corrugated tube connector x 1 No.2 torx wrench x 1
GV-Mount101	**Straight Tube Kit** 	**Dimensions** 219 x 125 x 332 mm / 8.6 x 4.9 x 13.1 in **Weight** 1.8 Kg / 3.97 lbs **Supplied with** No.2 torx wrench x 1
GV-Mount200	**Wall Pendant Tube** 	**Dimensions (L x W x D)** 200 x 140 x 254 mm / 7.9 x 5.5 x 10.0 in **Weight:** 0.93 Kg / 2.05 lbs

Model No.	Name	Details
GV-Mount203	**Wall Pendant Tube and Junction Box Kit** 	**Dimensions** 315 x 195.5 x 225 mm / 12.4 x 7.7 x 8.9 in **Weight** 2.95 Kg / 6.5 lbs **Supplied with** M5 screw (25 mm) x 2 Corrugated tube connector x 1 No.5 Torx Wrench x 1
GV-Mount300	**Convex Corner Adapter Kit** 	**Dimensions** 238.6 x 409.5 mm / 9.4 x 16.1 in **Weight** 4.27 Kg / 9.41 lbs **Option 1 Supplied with:** M8 screw (30 mm) x 4 M8 screw cap x 6 M8 split washer x 6 M8 plain washer x 6 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3 **Option 2 Supplied With:** M8 screw (25 mm) x 4 M8 screw cap x 6 M8 split washer x 6 M8 plain washer x 6 M5 screw (25 mm) x 2 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3

Model No.	Name	Details
GV-Mount310	**Concave Corner Adapter Kit** 	**Dimensions** 123.3 x 393.1 mm / 4.9 x 15.5 in **Weight** 2.96 Kg / 6.53 lbs **Supplied with** M8 screw (30 mm) x 4 M8 screw cap x 6 M8 split washer x 6 M8 plain washer x 6 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3
GV-Mount400	**Pole Mount Bracket Kit (Ø 4'' ~ 6'')** 	**Dimensions (Bracket)** Bracket: 241 x 161 mm / 9.5 x 6.3 **Steel Strap Diameter** Ø 4'' ~ 6'' **Weight** 1.70 Kg / 3.75 lbs **Supplied with** Stainless steel strap (Ø 4'' ~ 6'') x 3 M8 screw (30 mm) x 4 M8 screw (25 mm) x 4 M8 screw cap x 4 M8 split washer x 4 M8 plain washer x 4 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3

Model No.	Name	Details
GV-Mount410	**Pole Mount Bracket Kit (Ø 6'' ~ 7.5'')** 	**Dimensions (Bracket)** 241 x 161 mm / 9.5 x 6.3 in **Steel Strap Diameter** Ø 6'' ~ 7.5''
		Weight 1.70 Kg / 3.75 lbs
		Supplied with Stainless steel strap (Ø 6'' ~ 7.5'') x 3 M8 screw (30 mm) x 4 M8 screw (25 mm) x 4 M8 screw cap x 4 M8 split washer x 4 M8 plain washer x 4 M5 screw (20 mm) x 3 M5 screw cap x 3 M5 split washer x 3 M5 plain washer x 3
GV-Mount702	**Extension Tube** 	**Four** options are available.
		Dimensions Ø 5.4 x 10 or 20 or 30 or 50 cm Ø 2.1 x 3.9 / 7.9 / 11.8 / 19.7 in
		Weight 180 g / 0.4 lbs 390 g / 0.86 lbs 550 g / 1.21lbs 800 g / 1.76 lbs
		Supplied with Extension tube connector x 1

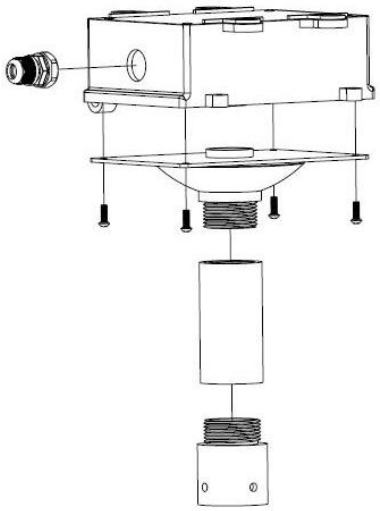
Model No.	Name	Details
GV-Mount900	**Wall Mount Bracket** 	For L-shaped wall mount of **Vandal Proof IP Dome** and **Fixed IP Dome**. **Dimensions** 154 x 108 x 50 mm / 6.1 x 4.3 x 2 in **Supplied with (GV-VD Series)** Short screw x 4 Screw cap x 4 **Supplied with (GV-VD Series)** Long screw anchor x 2 Wall mount screw x 2 Short screw x 3
GV-Mount901	**GV-VD Series Dome Housing** 	**Dimensions** ø 186 x 97.5 mm / ø 7.3 x 3.8 in **Weight:** 600 g / 1.32 lb **Supplied with** M4 screw x 4 M6 screw x 7
GV-Mount902	**GV-FD Series Dome Housing** 	**Dimensions** ø 186 x 97.5 mm / ø 7.3 x 3.8 in **Weight** 600 g / 1.32 lb **Supplied with** Left & right rack x 1 (pair) Housing plate x 1 Small screw x 3 M4 screw x 4 M6 screw x 7

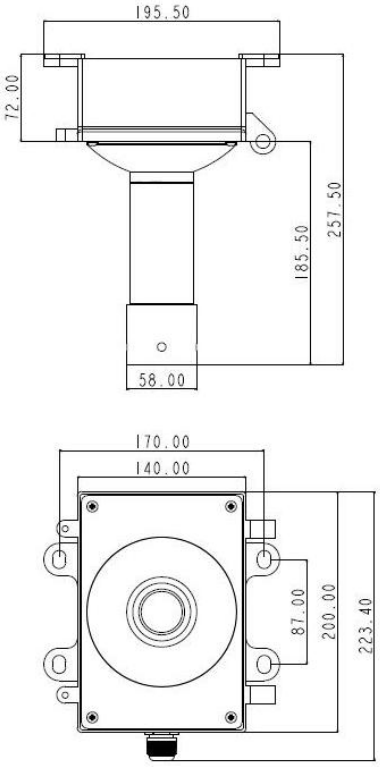
Model No.	Name	Details
GV-Mount903	**Fisheye Dome Housing** 	**Dimensions** ø 185.51 x 150.35 mm / 7.3 x 5.9 in **Weight** 700 g / 1.54 lb **Supplied with** M4 screw x 4 M6 screw x 7
GV-Mount904	**Tilting Wall Mount Bracket** 	**Dimension** ø 159.1 x 40.5 mm / ø 6.3 x 1.6 in **Tilt angle:** 0-20 ° **Supplied with** Back cover x 1 Back plate x 1 Tilting rack x 1 Long screw x 3 Short screw x 9 Installation sticker x 1
GV-PA191	**Power over Ethernet (PoE) Adapter** 	The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable. For details, see http://www.geovision.com.tw/english/Prod_GVPA191.asp

Model No.	Name	Details
GV-Mount907	**In-Ceiling Mounting Kit for GV-SD220 IP Speed Dome** 	**Dimension** Ø 230 x 153.49 mm / Ø 9.08 x 6.05 in **Weight** 0.87 kg / 1.91 lb **Supplied with** In-ceiling cover x 1 Mounting ring x 1 Mounting plate x 1 Support rack x 3 Screw x 9 Thread lock & screw x 1 set Lock plate & screw x 1 set Hex key x 1
GV-Mount908	**In-Ceiling Mounting Kit for GV-SD220-S IP Speed Dome** 	**Dimension** Mounting plate: 227 x 286 mm **Weight** 2.05 Kg / 4.5 lb **Supplied with** Screw x 4 Hex key x 1 M6 screw x 4 Installation sticker x 1 M4 screw x 2 In-ceiling cover x 1

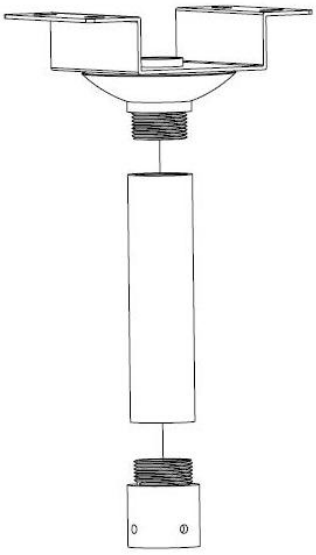
1.2 Dimensions

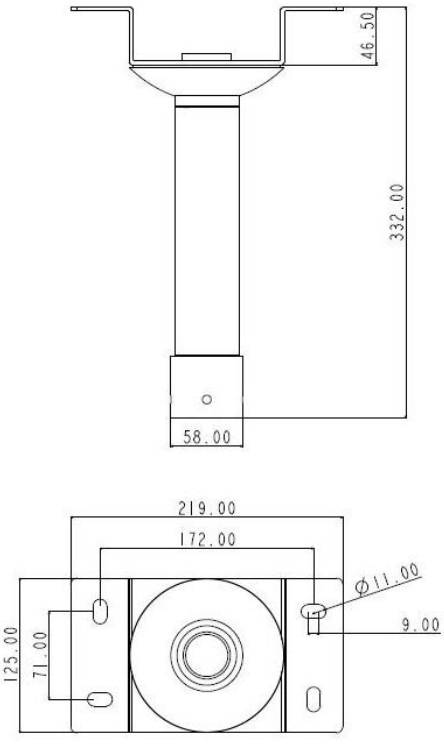
- **GV-Mount100**



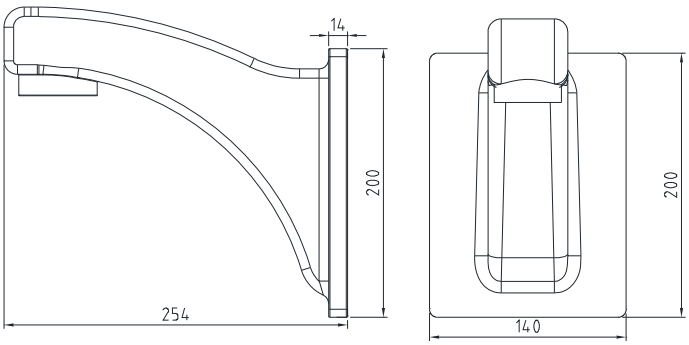


- **GV-Mount101**

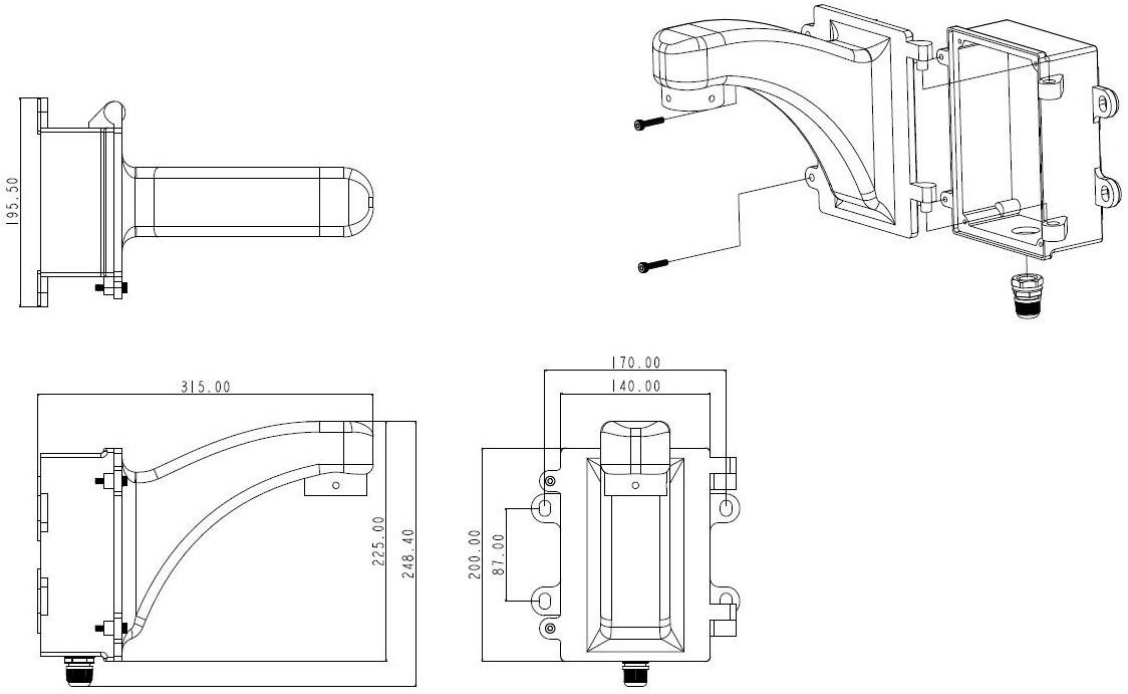




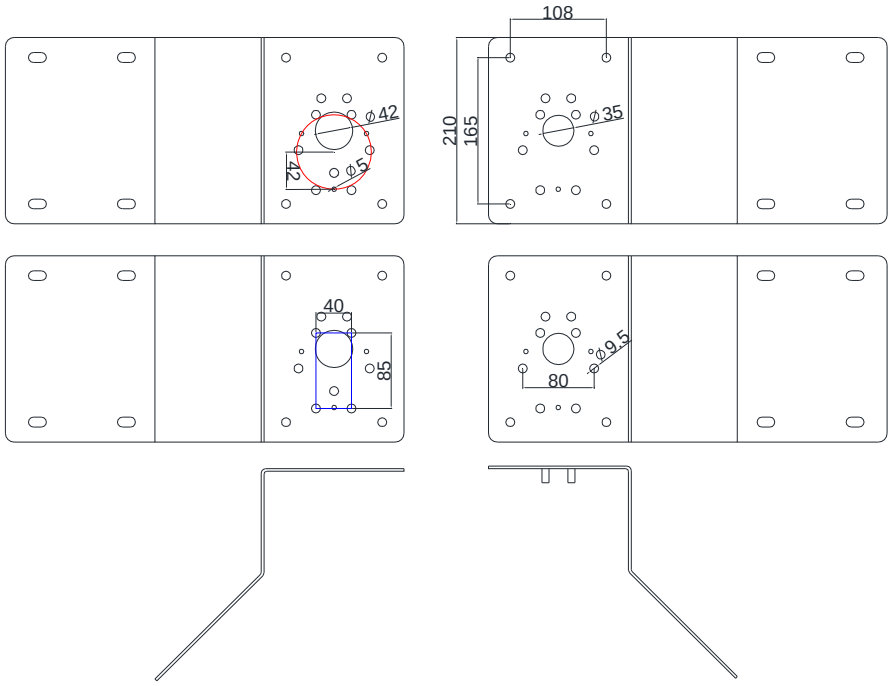
- **GV-Mount200**



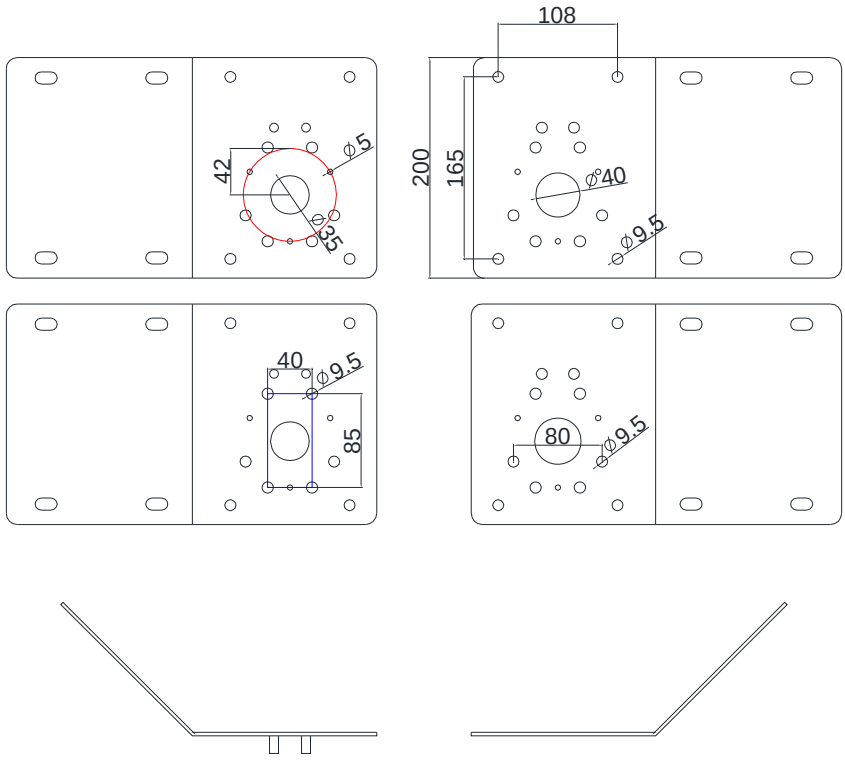
- **GV-Mount203**



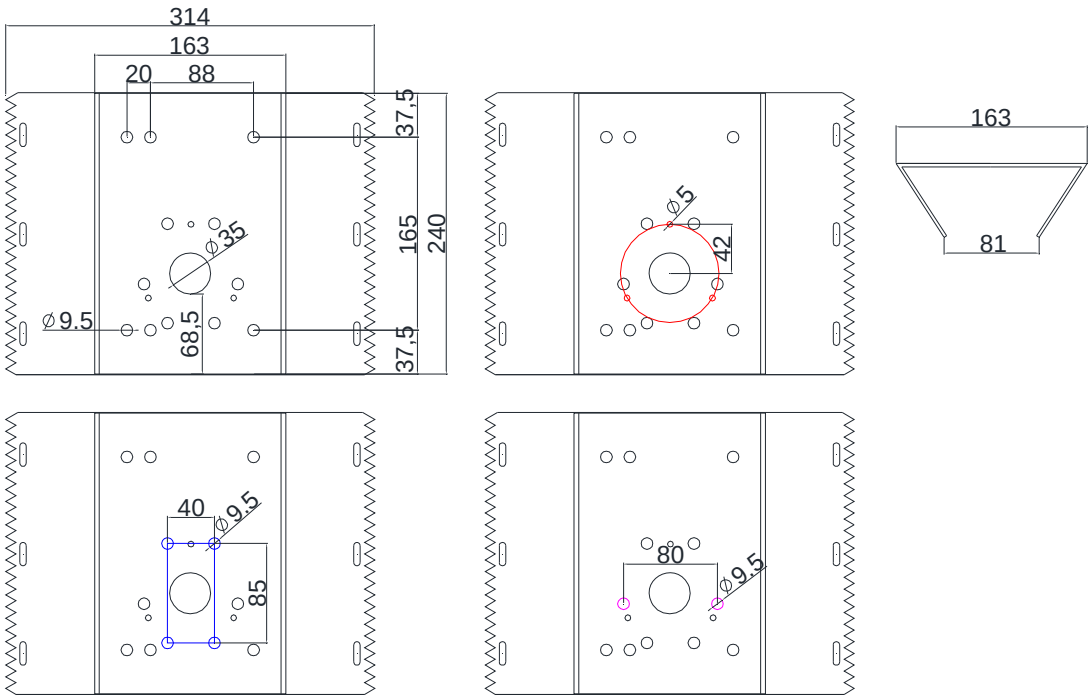
- **GV-Mount300**



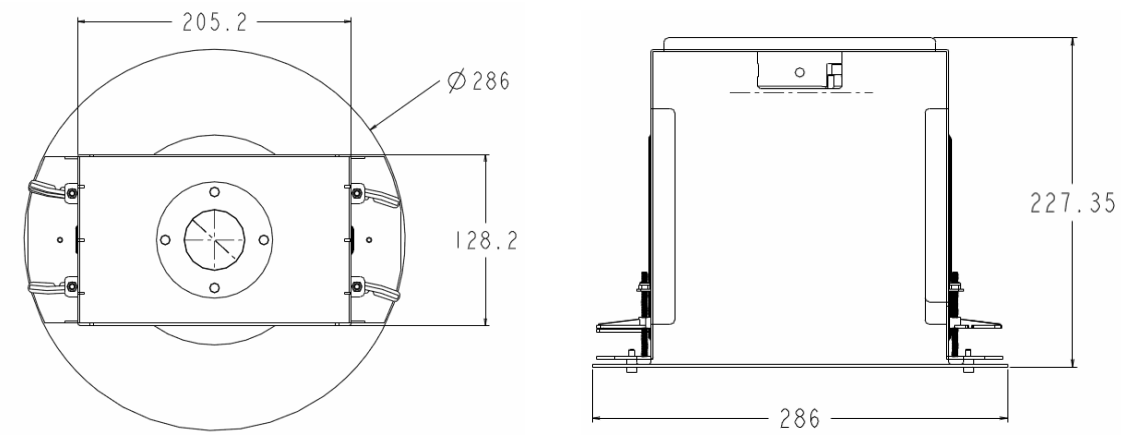
- **GV-Mount310**



- **GV-Mount400/Mount410**



- **GV-Mount908**



1.3 Packing Lists

- **GV-Mount100**

1. Junction Box

2. Box Cover

3. Tube

4. Tube Connector

5. M5 Flat Screw x 4

6. Corrugated Tube Connector

7. No. 2 Torx Wrench

- **GV-Mount101**

1. Mounting Bracket

2. Tube

3. Tube Connector

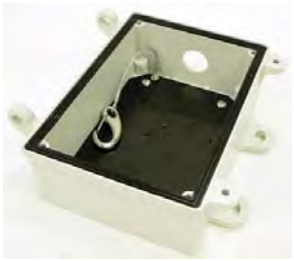
4. No. 2 Torx Wrench

- **GV-Mount200**

  1. Wall Pendant Tube

- **GV-Mount203**

  1. Junction Box



  2. Wall Pendant Tube

  3. M5 Screw x 2

  4. Corrugated Tube Connector

  5. No.5 Torx Wrench

- **GV-Mount300**

  1. Mounting Plate x 2

  2. M8 Screw (30 mm) x 4

  3. M8 Screw (25 mm) x 4

  4. M8 Plain Washer x 6

  5. M8 Split Washer x 6

  6. M8 Screw Cap x 6

7. M5 Screw (20 mm) x 3

8. M5 Plain Washer x 3

9. M5 Split Washer x 3

10. M5 Screw Cap x 3

- **GV-Mount310**

1. Mounting Plate x 2

2. M8 Screw (30 mm) x 4

3. M8 Plain Washer x 6

4. M8 Split Washer x 6

5. M8 Screw Cap x 6

6. M5 Screw (20 mm) x 3

7. M5 Plain Washer x 3

8. M5 Split Washer x 3

9. M5 Screw Cap x 3

- **GV-Mount400**

1. Mounting Bracket

2. Stainless Steel Strap (Ø 4'' ~ 6'') x 3

3. M8 Screw (30 mm) x 4

4. M8 Screw (25 mm) x 4

5. Plain Washer x 4

6. Split Washer x 4

7. M8 Screw Cap x 4

8. M5 Screw (20 mm) x 3

9. M5 Plain Washer x 3

10. M5 Split Washer x 3

11. M5 Screw Cap x 3

- **GV-Mount410**

1. Mounting Bracket

2. Stainless Steel Strap (Ø 6'' ~ 7.5'') x 3

3. M8 Screw (30 mm) x 4

4. M8 Screw (25 mm) x 4

5. Plain Washer x 4

6. Split Washer x 4

7. M8 Screw Cap x 4

8. M5 Screw (20 mm) x 3

9. M5 Plain Washer x 3

10. M5 Split Washer x 3

11. M5 Screw Cap x 3

- **GV-Mount702**

  1. Extension Tube

  2. Extension Tube Connector

- **GV-Mount900 for Vandal Proof IP Dome**

  1. Wall Mount Bracket

  2. Short Screw x 4

  3. Screw Cap x 4

- **GV-Mount900 for Fixed IP Dome**

  1. Wall Mount Bracket

  2. Long Screw Anchor x 2

  3. Wall Mount Screw x 2

  4. Short Screw x 3

- **GV-Mount901 for Vandal Proof IP Dome**

1. Dome Housing

2. Housing Cap

3. M4 Screw x 4

4. M6 Screw x 7

- **GV-Mount902 for Fixed IP Dome**

1. Dome Housing

2. Housing Cap

3. M4 Screw x 4

4. M6 Screw x 7

5. Left and Right Rack

6. Housing Plate

7. Small Screw x 3

- **GV-Mount903 for Fisheye Camera**

1. Dome Housing

2. Housing Cap

3. M4 Screw x 4

4. M6 Screw x 7

- **GV-Mount904**

1. Back Cover

2. Back Plate

3. Tilting Rack

4. Long Screw x 3

5. Short Screw x 9

6. Installation Sticker

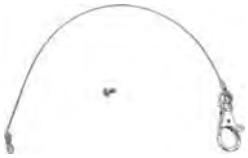
- **GV-Mount907**

1. Support Rack x 3

2. Mounting Ring

3. Screw x 9

4. Thread Lock, Screw, Washer



5. Mounting Plate x 1

6. Hex Key

7. Lock Plate and Screw

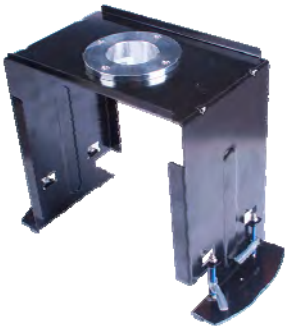
8. Installation Sticker

9. In-Ceiling Cover

- **GV-Mount908**

1. Housing Cap x 1

2. Mounting Plate x 1



3. Screw x 4

4. M6 Screw x 4

5. Hex key x 1

6. Installation Sticker x 1

7. In-ceiling cover x 1

8. M4 Screw x 2

2. Installing the Vandal Proof IP Dome

2.1 Assembling the Vandal Proof IP Dome with the dome housing

Required accessories:

- GV-Mount901

1. Unpack the camera body.

A.

B.

C.

D.

2. Secure the back cover to the dome housing (GV-Mount901, No. 1) with M4 screws (GV-Mount901, No. 3).

3. Thread the camera cable through the back cover and the dome housing.

4. Align the camera body so that the protruding part of the back cover fits the camera body and secure them together.

5. Thread the cable through the housing cap (GV-Mount901, No. 2) and secure with M6 screws (GV-Mount901, No. 4).

2.2 Straight Tube Box Mount

Required accessories:

- GV-Mount100
- GV-Mount901

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4”, ø 26.0 ~ 26.5 mm)

Optionally extend with:

- GV-Mount702

1. Assemble the camera to the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).

3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).

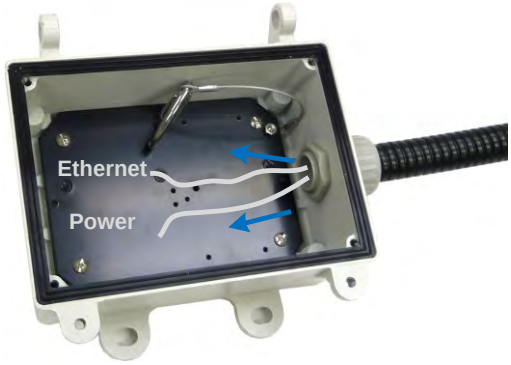
4. Thread the camera cable through the box cover (GV-Mount100, No. 2), assemble the box cover and the tube, and tighten the torxes using the torx wrench (GV-Mount100, No. 7).

5. Secure the junction box (GV-Mount100, No. 1) to the ceiling with 4 self-prepared screws.

6. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

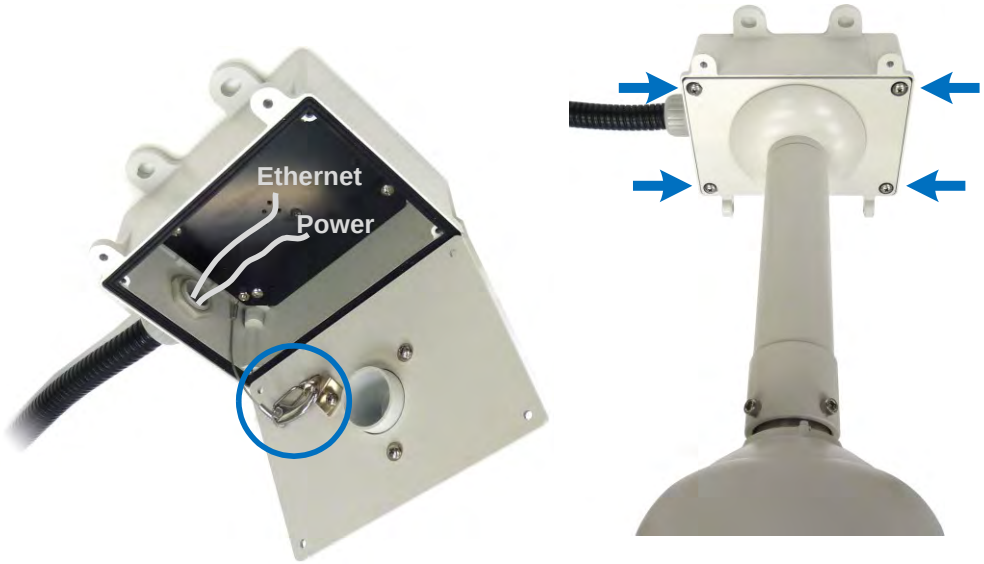
   B. Slide part A and part B to the self-prepared corrugated tube.

   C. Screw part C to the tube.
   D. Thread the necessary wires and cables from the ceiling through the corrugated tube, plug the tube to the junction box and secure with part D.



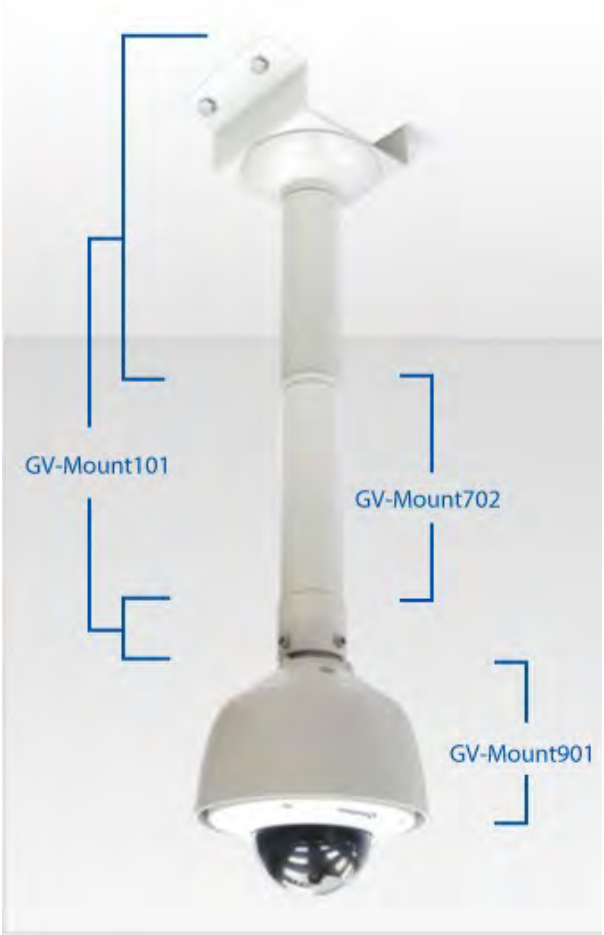
7. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.

8. Hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



9. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Access live view. See *14.1 Accessing the Live View*.
   B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.3 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount901

The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).

3. Thread the camera cable through the tube and assemble the tube to the end of the housing cap (GV-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).

4. Thread the camera cable through the mounting bracket (GV-Mount101, No. 1) and assemble the tube with the mounting bracket.
5. Make sure the tubes are properly screwed and tighten with the supplied torx wrench (GV-Mount101, No. 4).

6. Secure the assembled camera to a desired location with 4 self-prepared screws.

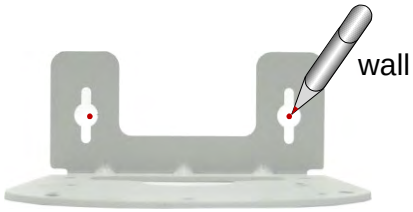
7. Refer to the indicated sections of the **G*V-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.4 L-Shaped Wall Mount

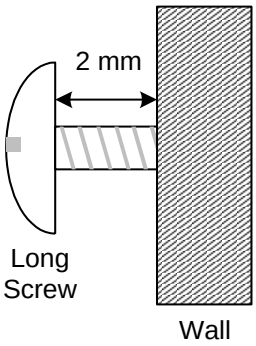
Required accessories:

- GV-Mount900

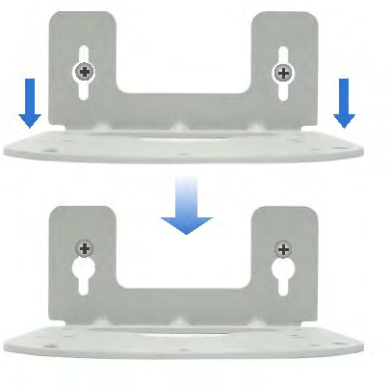
1. Take the wall mount bracket (GV-Mount900 for GV-VD Series, No. 1) and make 2 marks on the wall for screw anchors.



2. Drill the marks and insert 2 screw anchors.
3. Insert the ceiling screws and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



4. Hang the wall mount bracket on the ceiling screws and push the wall mount bracket downward. Tighten the screws to the wall.



5. Unpack the camera body.

A.

B.

C.

D.

6. Secure the back cover to the wall mount bracket with four short screws (GV-Mount900 for GV-VD Series, No. 2) and screw caps (GV-Mount900 for GV-VD Series, No. 3).

7. Thread the cable through the conduit entry at the bottom of the back cover and follow steps 5 to re-assemble the camera.

8. Refer to the indicated sections of the **G*V-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.5 Wall Pendant Mount

Required accessories:

- GV-Mount200
- GV-Mount901

The user needs to prepare:

- Screws for wall x 4

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1) and secure the tube to the end of the housing cap (GV-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).

3. Secure the wall pendant tube to the wall with 4 self-prepared screws.
4. Refer to the indicated sections of the **G*V-IPCam H.264 User's Manual* on the software CD** to:
   A. Access live view. See *14.1 Accessing the Live View*.
   B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.6 Convex Corner Mount with Pendant Tube

Required accessories:

- GV-Mount200
- GV-Mount300
- GV-Mount901

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1), and secure the tube to the end of the housing cap (GV-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).

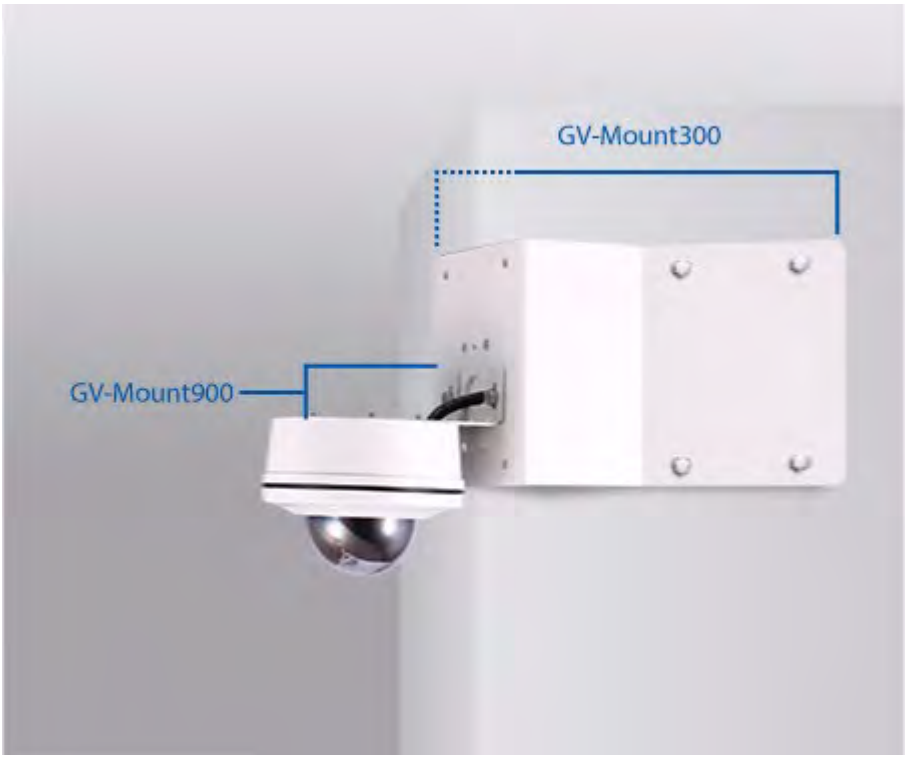
3. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure with the screw cap (GV-Mount300, No. 6).

4. Thread the camera cable and secure the pendant tube to the mounting plates. Slide the 30 mm M8 screws (GV-Mount300, No. 3) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).

Backside View

5. Secure the plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.7 Convex Corner Mount with Wall Bracket



Required accessories:

- GV-Mount300
- GV-Mount900

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure with the screw cap (GV-Mount300, No. 6).

2. Assemble the camera with the wall mount bracket (GV-Mount900, No.1).

   A. Unpack the camera body.

A-1

A-2

A-3

A-4

   B. Secure the back cover to the wall mount bracket with four short screws (GV-Mount900 for GV-VD Series, No. 2) and screw caps (GV-Mount900 for GV-VD Series, No. 3).

C. Thread the cable through the conduit entry at the bottom of the back cover and follow step 2A-3 and 2A-4 to secure the camera body.

3. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the mounting plates.
   B. Slide the 30 mm M8 screws (GV-Mount300, No. 2) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).

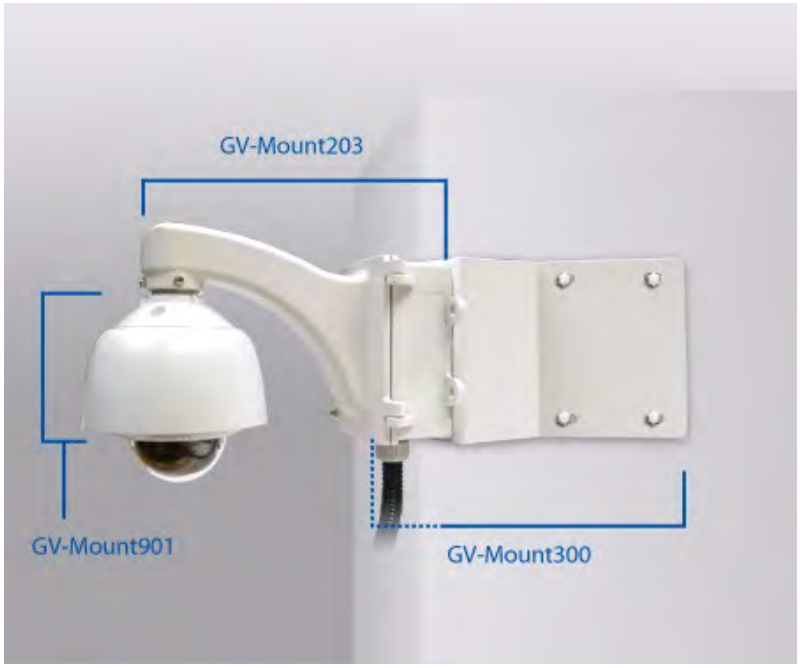
Backside View

4. Secure the plates to the wall with 8 self-prepared screws.
5. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.

D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

Note: You can use a corrugated tube to waterproof the cable.

2.8 Convex Corner Box Mount



Required accessories:

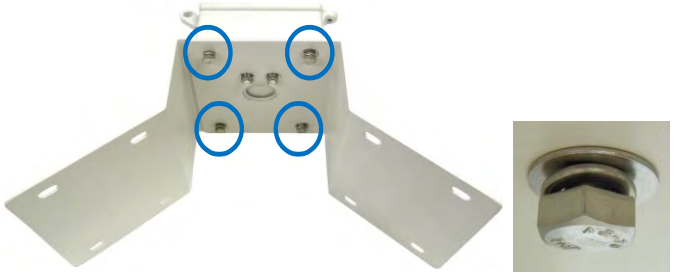
- GV-Mount203
- GV-Mount300
- GV-Mount901

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube (3/4'', ø 26.0 ~ 26.5 mm)

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).

3. Secure the junction box (GV-Mount203, No. 1) to the plate from the backside using the 25 mm M8 screw (GV-Mount300, No. 3), plain washer (GV-Mount300, No. 4) and split washer (GV-Mount300, No. 5).



Back View

4. Secure the plates to the wall with 8 self-prepared screws. Face the conduit exit downward.

5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.

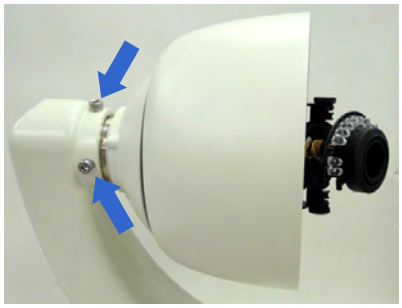
   E. Dismantle the supplied corrugated tube connector. You should have 4 parts.

   F. Slide part A and part B to the self-prepared corrugated tube.

   G. Screw part C to the tube.

   H. Thread the necessary wires and cables from the wall or the ceiling through the corrugated tube, plug the tube to the junction box and secure with part D.

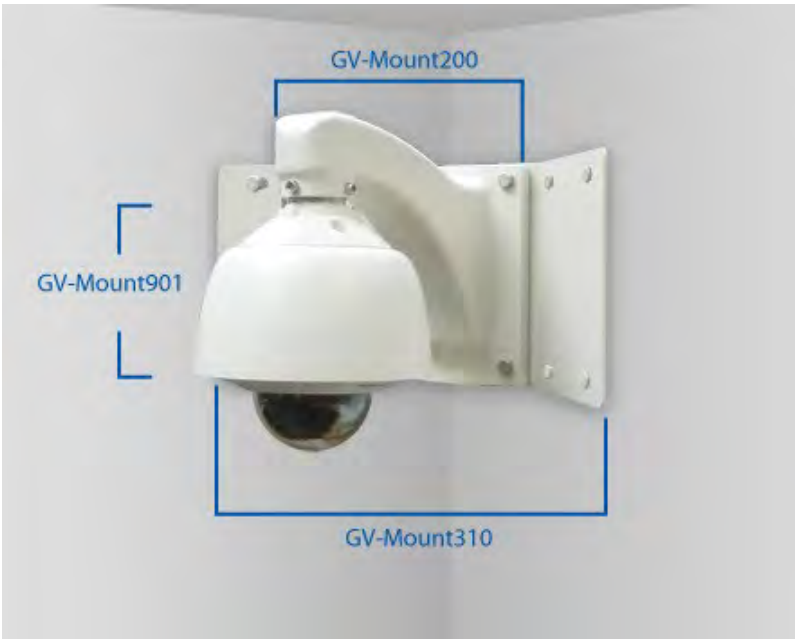
6. Thread the camera cable through the wall pendant tube (GV-Mount203, No. 2), and secure the tube to the end of the housing cap (GV-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).



9. Hinge and hook the pendant tube to the junction box.

10. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
11. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
12. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
    A. Access the live view. See *14.1 Accessing the Live View*.
    B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
    C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.9 Concave Corner Mount with Pendant Tube



Required accessories:

- GV-Mount200
- GV-Mount310
- GV-Mount901

The user needs to prepare:

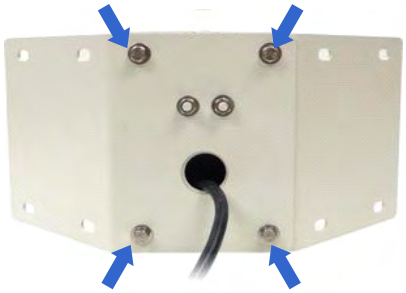
- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer (GV-Mount310, No. 4), and secure them with the screw cap (GV-Mount310, No. 5).

2. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount310, No. 2) from the front and secure from the backside using plain

washer (GV-Mount310, No. 3), split washer, (GV-Mount310, No. 4) and M8 screw cap (GV-Mount310, No. 5).

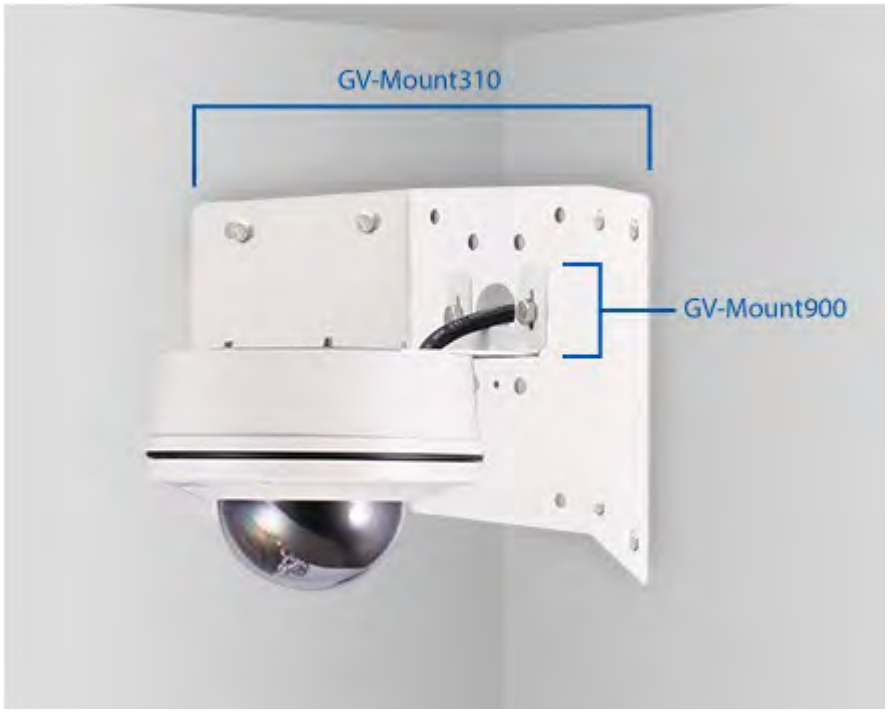
Front View



Back View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.10 Concave Corner Mount with Wall Bracket



Required accessories:

- GV-Mount310
- GV-Mount900

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer (GV-Mount310, No. 4), and secure them with the screw cap (GV-Mount310, No. 5).

2. Assemble the camera with the wall mount bracket (GV-Mount900, No.1).

A. Unpack the camera body.

A-1

A-2

A-3

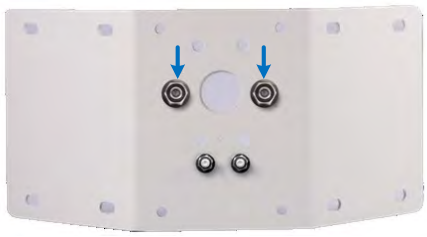
A-4

B. Secure the back cover to the wall mount bracket with four short screws (GV-Mount900 for GV-VD Series, No. 2) and screw caps (GV-Mount900 for GV-VD Series, No. 3).

C. Thread the cable through the conduit entry at the bottom of the back cover and follow step 2A-3 and 2A-4 to secure the camera body.

3. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the mounting plates.
   B. Slide the 30 mm M8 screws (GV-Mount310, No. 2) from the front and secure from the backside using plain washer (GV-Mount310, No. 3), split washer, (GV-Mount310, No. 4) and M8 screw cap (GV-Mount310, No. 5).

Front View

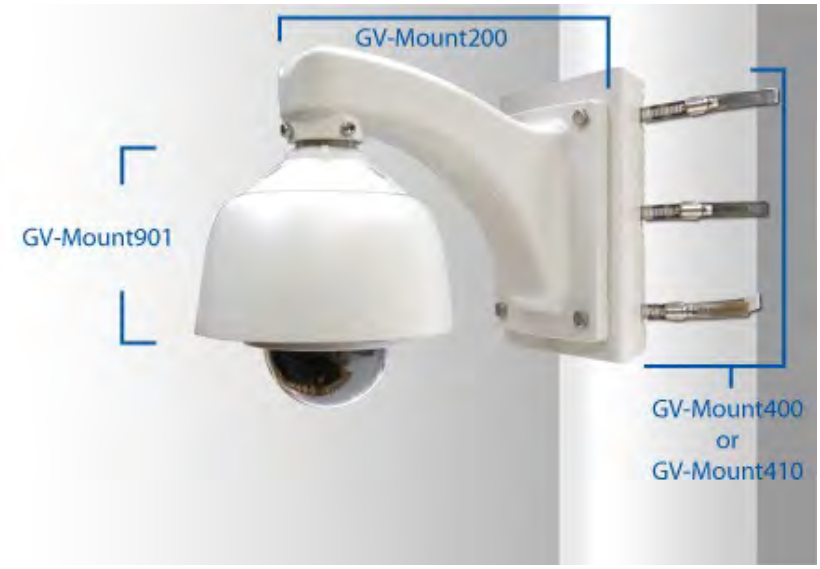


Back View

4. Secure the plates to the wall with 8 self-prepared screws.
5. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

Note: You can use a corrugated tube to waterproof the cable.

2.11 Pole Mount with Pendant Tube



Required accessories:

- GV-Mount200
- GV-Mount400 or GV-Mount410
- GV-Mount901

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Secure the mounting bracket (GV-Mount400 / GV-Mount410, No. 1) to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.

5. Thread the camera cable through the pendant tube (GV-Mount200, No. 1) and secure the tube to the end of the housing cap (GV-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).

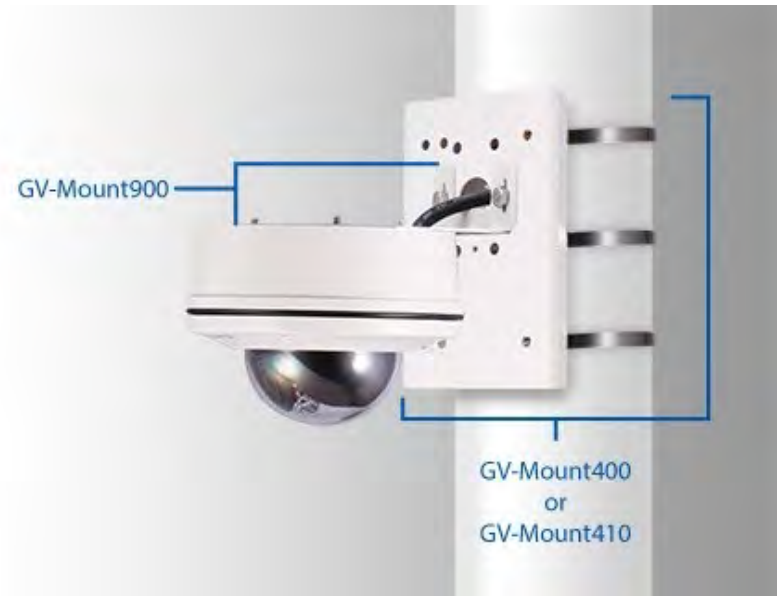
6. Thread the camera cable through the mounting bracket and secure the pendant tube to the mounting bracket. Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, No. 7).

Backside View

7. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.

D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

2.12 Pole Mount with Wall Bracket



Required accessories:

- GV-Mount400 or GV-Mount410
- GV-Mount900

1. Assemble the camera with the wall mount bracket (GV-Mount900, No.1).

   A. Unpack the camera body.

A-1

A-2

A-3 Unscrew

A-4

B. Secure the back cover to the wall mount bracket with four short screws (GV-Mount900 for GV-VD Series, No. 2) and screw caps (GV-Mount900 for GV-VD Series, No. 3).

C. Thread the cable through the conduit entry at the bottom of the back cover and follow step 2A-3 and 2A-4 to secure the camera body.

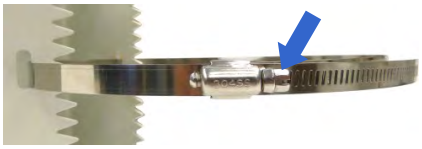
2. Assemble the camera with the mounting bracket (GV-Mount400 / GV-Mount410, No.1).

A. Thread the camera cable through the mounting bracket.

B. Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer, (GV-Mount400 / GV-Mount410, No. 6) and M8 screw cap (GV-Mount400 / GV-Mount410, No. 7).

Backside View

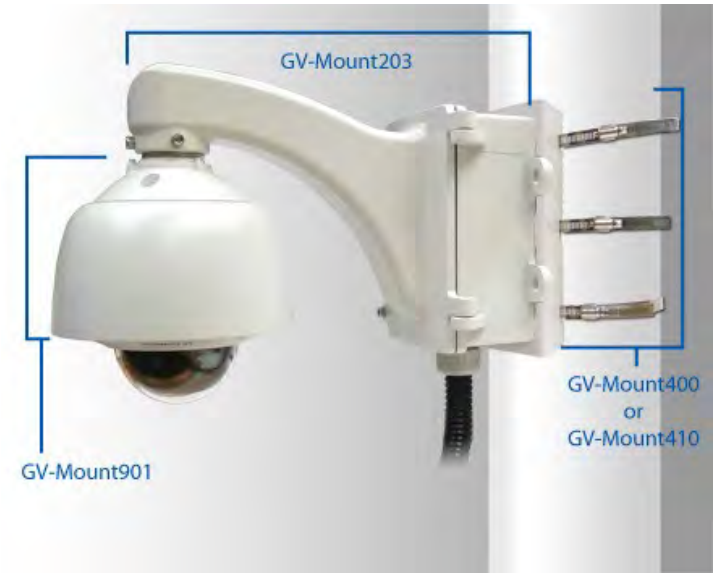
3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.



4. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
   D. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

Note: You can use a corrugated tube to waterproof the cable.

2.13 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount901

The user needs to prepare:

- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)

1. Assemble the camera with the dome housing. See *2.1 Assembling the Vandal Proof IP Dome with the Dome Housing*.
2. Assemble the mounting bracket (GV-Mount400 / GV-Mount410, No. 1) and the junction box (GV-Mount203, No. 1) from the backside using 25 mm M8 screws (GV-Mount400 / GV-Mount410, No. 4), plain washer (GV-Mount400 / GV-Mount410, No. 5) and split washers (GV-Mount400 / GV-Mount410, No. 6).

Backside View

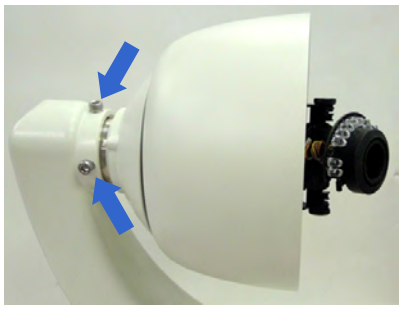
5. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.

6. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

   B. Slide part A and part B to the self-prepared corrugated tube.

   C. Screw part C to the tube.
   D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the junction box and secure with part D.

7. Thread the camera cable through the pendant tube (GV-Mount203, No. 2) and secure the tube to the end of the housing cap (GV-Mount901, No. 2) with M6 screws (GV-Mount901, No. 4).



8. Hinge and hook the pendant tube to the junction box.

9. Connect the network, power and other cables to the camera. See *10.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
10. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
11. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
    A. Access the live view. See *14.1 Accessing the Live View*.
    B. Adjust the angle, focus and zoom of the camera. See steps 9 and 10 in *10.4.1 Hard-Ceiling Mount*.
    C. Secure the thread lock, replace the silica gel bag and secure the housing cover. See steps 11 to 13 in *10.4.1 Hard-Ceiling Mount*.

3. Installing the Fixed IP Dome

3.1 Basic Installation

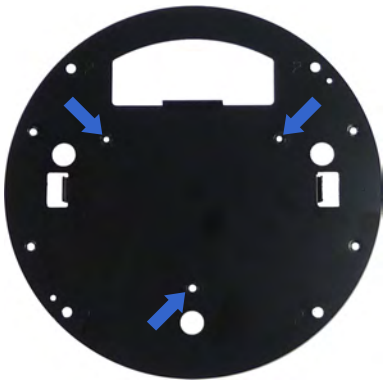
3.1.1 Assembling the Fixed IP Dome with the Dome Housing

Required accessories:

- GV-Mount902

1. Unpack the camera package and remove the camera body.

2. Secure the camera body to the housing plate (GV-Mount902, No. 6) with 3 small screws (GV-Mount902, No. 7).



3. Secure the plate to the dome housing with M4 screws (GV-Mount902, No. 3).

4. Secure the housing cap and the dome housing with M6 screws (GV-Mount902, No. 4).

3.1.2 Putting on the Housing Cover

1. Secure the right and left rack (GV-Mount902, No. 5) to the housing cover.

2. Secure the housing cover to the camera with M4 screws (GV-Mount902, No. 3).

3.2 Straight Tube Box Mount

Required accessories:

- GV-Mount100
- GV-Mount902

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)

Optionally extend with:

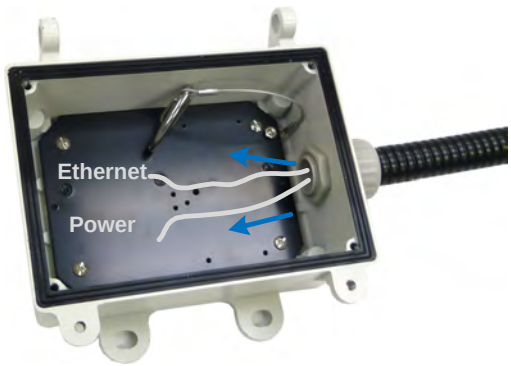
- GV-Mount702

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Secure the junction box (GV-Mount100, No. 1) to the ceiling with 4 self-prepared screws.

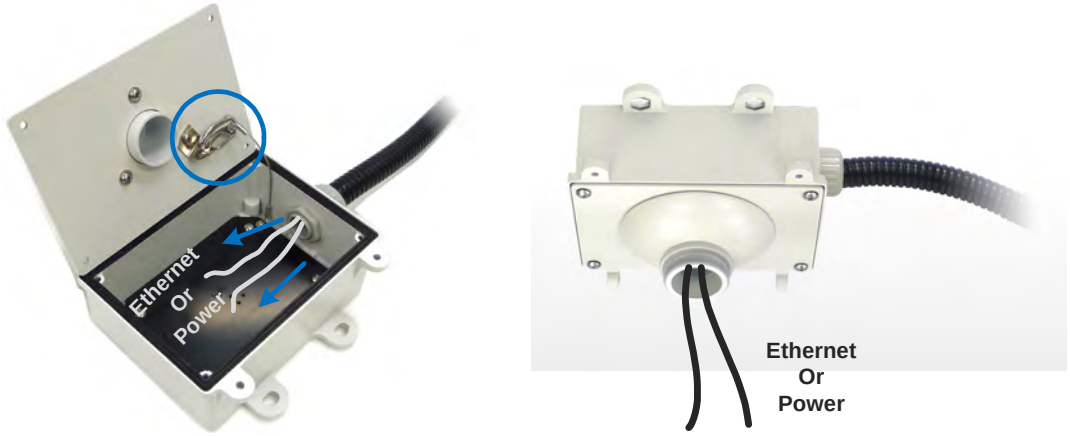
3. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

   B. Slide part A and part B to the self-prepared corrugated tube.

   C. Screw part C to the tube.
   D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the junction box and secure with part D.

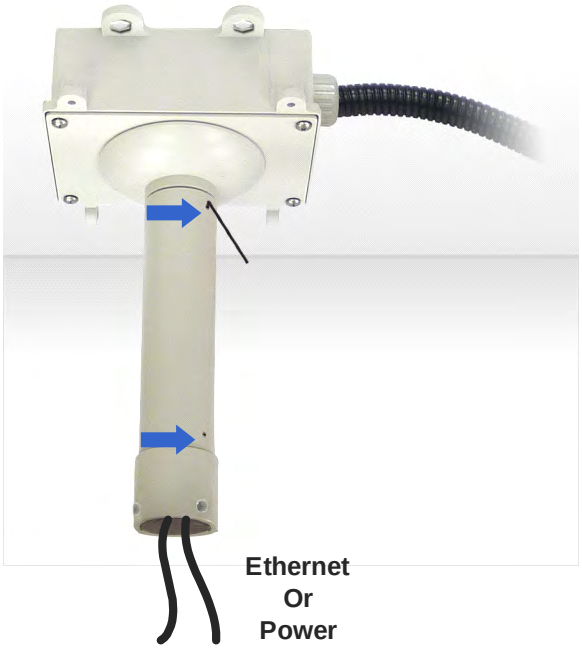


4. Thread the wires and cables through the box cover (GV-Mount100, No. 2), hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



5. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).

6. Thread the wires and cables through the tube, assemble the tube to the box cover and tighten the torxes with the supplied torx wrench (GV-Mount100, No. 7).



7. Thread the wires and cables through the housing cap (GV-Mount902, No. 2) and secure the tube to the end of the housing cap with M6 screws (GV-Mount902, No. 4).
8. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
9. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount, GV-IPCam H.264 User's Manual* on the software CD:
10. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

3.3 Straight Tube Mount

Required accessories:

- GV-Mount101
- GV-Mount902

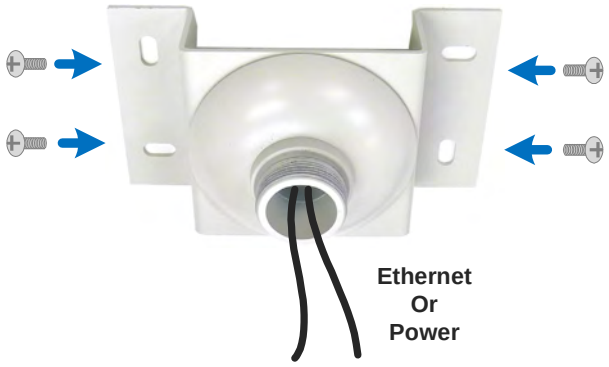
The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

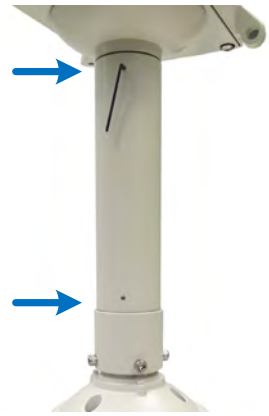
- GV-Mount702

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Thread the necessary cables and wires from the ceiling through the mounting bracket (GV-Mount101, No. 1) and secure the bracket to the ceiling with 4 self-prepared screws.



3. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).

4. Thread the cables and wires into the tube, assemble the tube to the pendant mount bracket and tighten the torxes with the supplied torx wrench (GV-Mount101, No. 4).



5. Thread the cables and wires into the dome housing and connect the network, power and other cables. See *11.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.

6. Secure the tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount101, No. 4).

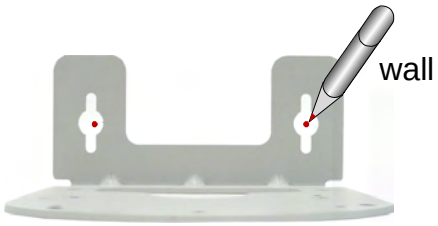
7. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Access the live view. See *14.1 Accessing the Live View*.
   B. Follow steps 6 and 7 in *11.4.1 Hard-Ceiling Mount* to adjust the angle, focus and zoom of the camera.
8. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

3.4 L-Shaped Wall Mount

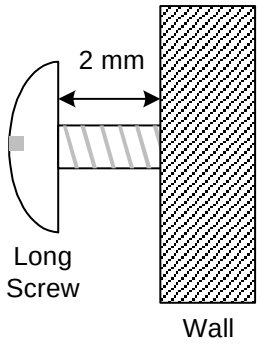
Required accessories:

- GV-Mount900

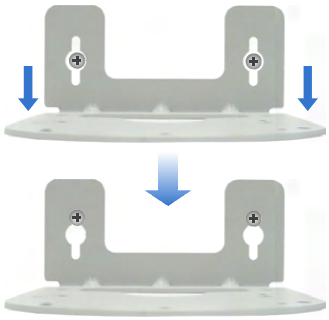
1. Take the wall mount bracket (GV-Mount900, No. 1) and make 2 marks on the wall for screw anchors.



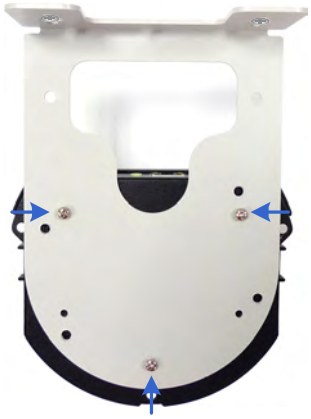
2. Drill the marks and insert 2 long screw anchors (GV-Mount900 for GV-FD Series, No. 2).
3. Insert the wall mount screws (GV-Mount900 for GV-FD Series, No. 3) and leave enough distance (approximately 2 mm) to hang the wall mount bracket later.



4. Hang the wall mount bracket on the wall mount screws and push the wall mount bracket downward. Tighten the wall mount screws to the wall.



5. Unpack the camera body. See step 1 in *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
6. Secure the camera body to the wall mount bracket with three short screws (GV-Mount900 for GV-FD Series, No. 4).



7. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom, and secure the housing cover. See steps 6 to 8 in *11.4.1 Hard-Ceiling Mount*.

3.5 Wall Pendant Mount

Required accessories:

- GV-Mount200
- GV-Mount902

The user needs to prepare:

- Screws for wall x 4

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. On the installation site, thread the necessary cables and wires from the wall through the pendant tube (GV-Mount200, No. 1), and secure the tube to the wall with 4 screws of your choice.

3. Thread the cables and wires into the dome housing and secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).

4. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
5. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

3.6 Convex Corner Mount

Required accessories:

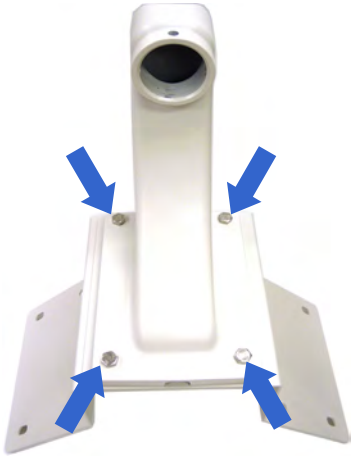
- GV-Mount200
- GV-Mount300
- GV-Mount902

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).

3. Secure the pendant tube (GV-Mount200, No. 1) to the plate. Slide the 30 mm M8 screws (GV-Mount300, No. 2) from the front and secure from the backside using plain washers (GV-Mount300, No. 4), split washers (GV-Mount300, No. 5) and the M8 screw caps (GV-Mount300, No. 6).



Backside View

4. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
5. Thread the wires and cables into the dome and connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
6. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
7. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Access the live view. See *14.1 Accessing the Live View*.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
8. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

3.7 Convex Corner Box Mount

Required accessories:

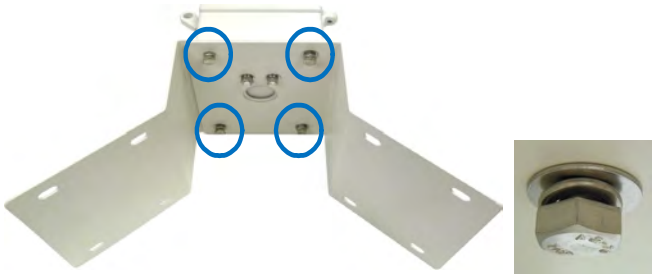
- GV-Mount203
- GV-Mount300
- GV-Mount902

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4”, ø 26.0 ~ 26.5 mm)

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).

3. Secure the junction box (GV-Mount203, No. 1) to the mounting plate from the back side using the 25 mm M8 screw (GV-Mount300, No. 3), plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and the M8 screw cap (GV-Mount300, No. 6).



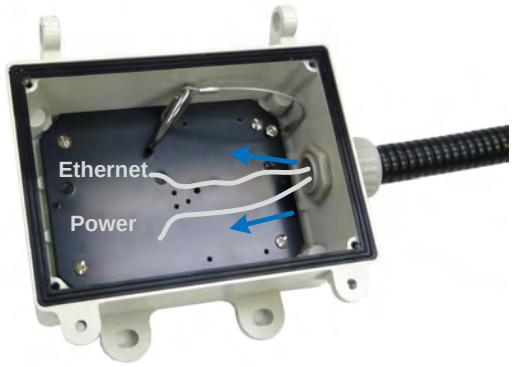
Back View

4. Secure the mounting plate to the wall with 8 self-prepared screws. Face the conduit exit downward.
5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

   B. Slide part A and part B to the self-prepared corrugated tube.

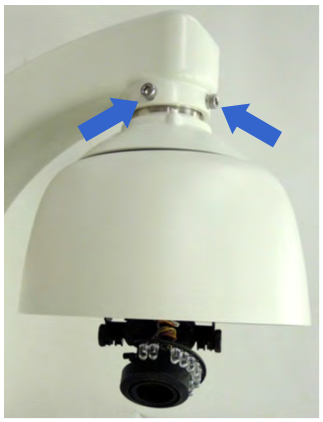
   C. Screw part C to the tube.

D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the box and secure with part D.



6. Hinge and hook the pendant tube (GV-Mount203, No. 2) to the junction box.

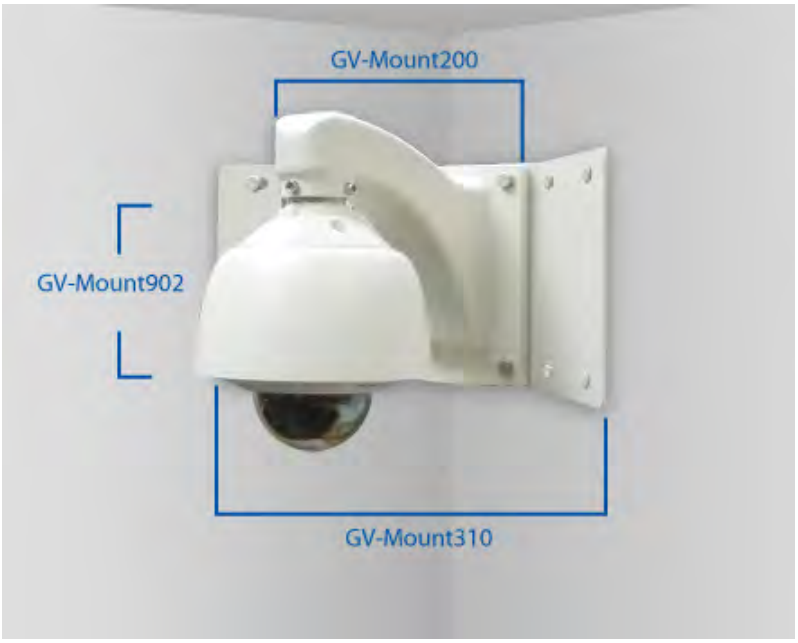
7. Thread the wires and cables through the pendant tube into the dome housing and connect them to the camera. See *11.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
8. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).



9. Conceal the junction box with M5 screws using the torx wrench (GV-Mount203, No. 5).

10. Refer to the indicated sections of the **G*V-IPCam H.264 User's Manual*** **on the software CD** to:
    A. Access the live view. See *14.1 Accessing the Live View*.
    B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
11. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

3.8 Concave Corner Mount



Required accessories:

- GV-Mount200
- GV-Mount310
- GV-Mount902

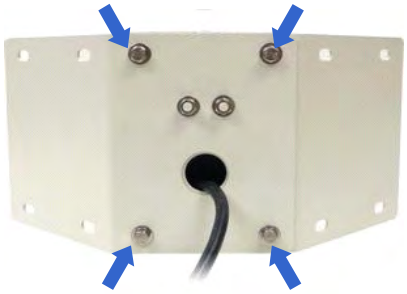
The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer, and secure them with the screw cap.

3. Secure the pendant tube (GV-Mount200, No. 1) to the plate. Slide the 30 mm M8 screws (GV-Mount310, No. 2) from the front and secure from the back using plain washers (GV-Mount310, No. 3), split washers (GV-Mount310, No. 4) and the M8 screw caps (GV-Mount310, No. 5).

Front View



Back View

4. Thread the necessary wires and cables through the pendant tube and secure the plate to the wall with 8 self-prepared screws.
5. Connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
6. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
7. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Access the live view. See *14.1 Accessing the Live View*.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
8. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

3.9 Pole Mount

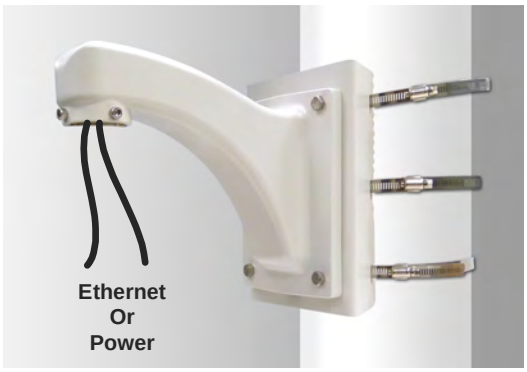
Required accessories:

- GV-Mount200
- GV-Mount400 or GV-Mount410
- GV-Mount902\

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.
2. Secure the pendant tube (GV-Mount200, No. 1) to the mounting bracket (GV-Mount400 / GV-Mount410, No. 1). Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, No. 7).

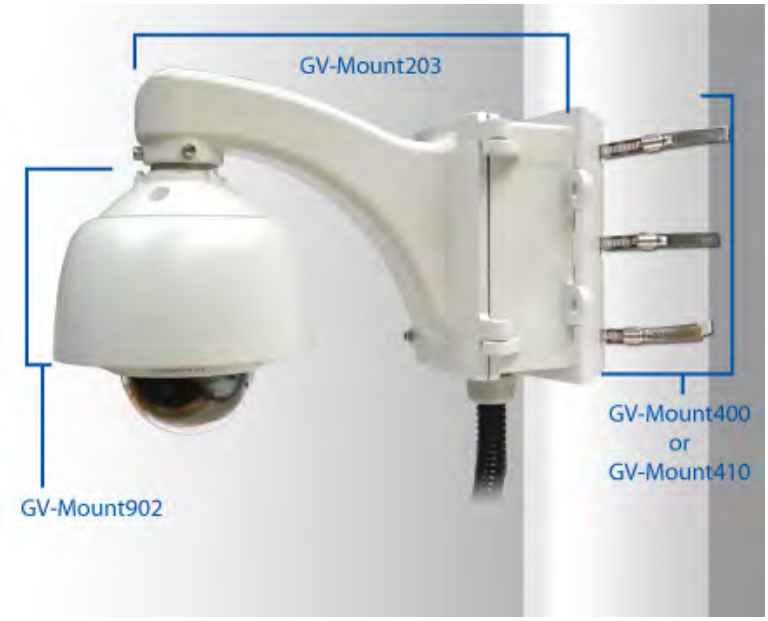
Backside View

3. Thread the necessary wires and cables through the pendant tube and secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.



4. Thread the wires and cables into the dome housing and connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
5. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
6. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Access the live view. See *14.1 Accessing the Live View*.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.
7. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.

3.10 Pole Box Mount



Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount902

The user needs to prepare:

- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)

1. Assemble the camera with the dome housing. See *3.1.1 Assembling the Fixed IP Dome with the Dome Housing*.

2. Assemble the mounting bracket (GV-Mount400 / GV-Mount410, No. 1) and the junction box (GV-Mount203, No. 1) from the backside using 25 mm M8 screws (GV-Mount400 / GV-Mount410, No. 4), plain washer (GV-Mount400 / GV-Mount410, No. 5) and split washers (GV-Mount400 / GV-Mount410, No. 6).

Backside View

3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.

4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

   B. Slide part A and part B to the self-prepared corrugated tube.

   C. Screw part C to the tube.

D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the box and secure with part D.

5. Hinge and hook the pendant tube (GV-Mount203, No. 2) to the junction box.

6. Thread the wires and cables through the pendant tube into the dome housing and connect the network, power and other cables to the camera. See *11.5 Connecting the Camera*, *GV-IPCam H.264 User's Manual* on the software CD.
7. Secure the pendant tube to the end of the housing cap (GV-Mount902, No. 2) with M6 screws (GV-Mount902, No. 4).
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
9. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Access the live view. See *14.1 Accessing the Live View*.
   B. Adjust the angle, focus and zoom. See steps 6 and 7 in *11.4.1 Hard-Ceiling Mount*.

10. Put on the housing cover. See *3.1.2 Putting on the Housing Cover*.4. Installing the Fisheye Camera.

4. Installing the Fisheye Camera

4.1 Assembling the Fisheye Camera with the Dome Housing

Required accessories:

- GV-Mount903

1. Align the embossed arrow of the housing cap (GV-Mount903, No. 2) with the arrow inside the dome housing (GV-Mount903, No. 1) and secure them with three M6 screws (GV-Mount903, No. 4).

Tip: The flat hole on the housing cap should be fitted with the hole on the housing cover without any indent.

2. Thread the camera cable through the dome housing (GV-Mount903, No. 1).
3. Place the camera body to the dome housing. Make sure the camera cable is at the top of the dome housing arrow. Secure with three M4 screws (GV-Mount903, No. 3).

4. Place the camera cover for in-ceiling mount on the camera body and secure the 3 screws with the supplied torx wrench.

4.2 Straight Tube Box Mount

Required accessories:

- GV-Mount100
- GV-Mount903

The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)

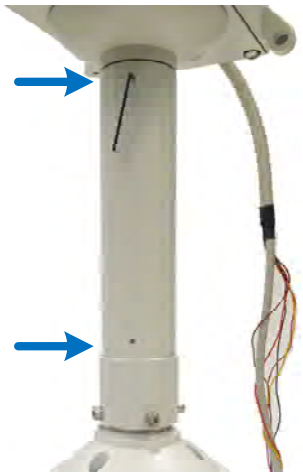
Optionally extend with:

- GV-Mount702

1. Assemble the camera to the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).

3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-Mount903, No.2) with M6 screws (GV-Mount903, No. 4).

4. Thread the camera cable through the box cover (GV-Mount100, No. 2), assemble the box cover and the tube, and tighten the torxes with the supplied torx wrench (GV-Mount100, No. 7).



5. Secure the junction box (GV-Mount100, No. 1) to the ceiling with 4 self-prepared screws.

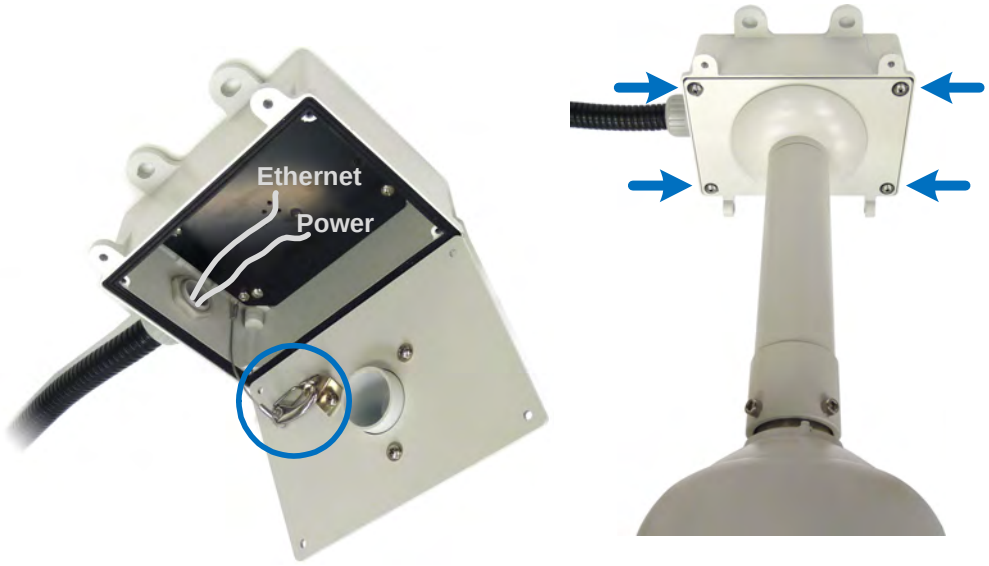
6. Assemble the corrugated tube connector (GV-Mount100, No. 6) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 components.

   B. Slide part A and part B to the self-prepared corrugated tube.

   C. Screw part C to the tube.
   D. Thread the necessary wires and cables from the ceiling through the corrugated tube, plug the tube to the box and secure with part D.

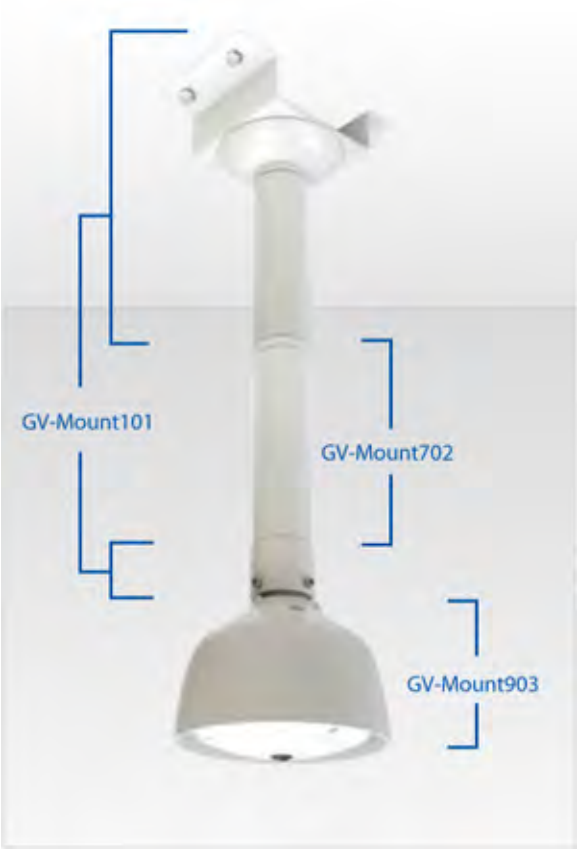
7. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*, *GV-Fisheye IP Camera H.264 User's Manual* on the software CD.

8. Hinge and hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



9. Access the live view. See *2.1 Installing on a Network*, *GV-Fisheye IP Camera H.264 User's Manual* on the software CD.

4.3 Straight Tube Mount



Required accessories:

- GV-Mount101
- GV-Mount903

The user needs to prepare:

- Screws for ceiling x 4

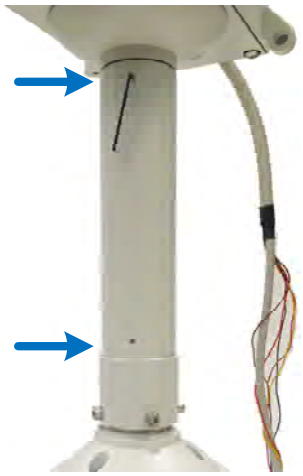
Optionally extend with:

- GV-Mount702

1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).

3. Thread the camera cable through the tube and secure the tube to the end of the housing cap (GV-Mount903, No.2) with M6 screws (GV-Mount903, No. 4).

4. Thread the camera cable through the mounting bracket (GV-Mount101, No. 1) and assemble the tube with the mounting bracket.
5. Make sure the tubes are properly screwed and tighten the torxes using the supplied torx wrench (GV-Mount101, No. 4).



6. Secure the assembled camera to a desired location with 4 self-prepared screws.
7. Refer to the indicated sections of the *GV-Fisheye IP Camera H.264 User's Manual* on the software CD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

4.4 Wall Pendant Mount

Required accessories:

- GV-Mount200
- GV-Mount903

The user needs to prepare:

- Screws for wall x 4

1. Assemble the Fisheye camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Insert the housing cap (GV-Mount903, No. 2) into the wall pendant tube (GV-Mount200, No. 1) and secure the tube to the end of the housing cap (GV-Mount903, No.2) with M6 screws (GV-Mount903, No. 4).

3. Place the wall pendant tube on the wall and secure with four screws of your choice.

4.5 Tilting Wall Mount

Front View

Side View: Flat

Side View: Tilted

Required accessories:

- GV-Mount904

1. Unscrew the inner housing cover using the supplied torx wrench.

2. Assemble the tilting rack (GV-Mount904, No. 3) with the back plate (GV-Mount904, No. 2) and secure them together with 3 short screws (GV-Mount904, No. 5) from the back.

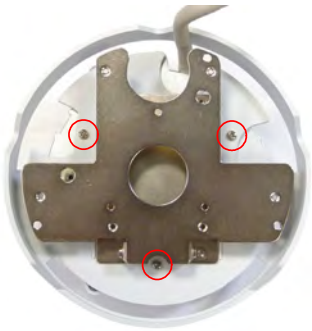
Front View

Back View

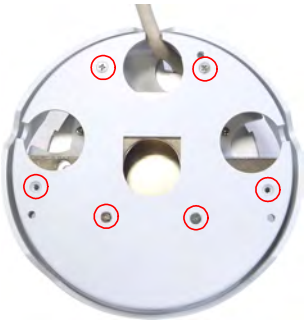
3. Thread the camera cable into an opening on the back plate and align the top side of the camera with the top of the back plate.

Tip: Pull the tilting rack to a wider angle for easier threading.

4. Secure the camera from the back with 3 long screws (GV-Mount904, No. 4).



5. Put on the back cover and secure it with 6 short screws (GV-Mount904, No. 5).



6. To accommodate the adjustment, reserve some length of cable by making a curve in-between the back plate and the back cover.

7. Paste the supplied sticker (GV-Mount904, No. 6) on the wall. The 3 red dots indicate the screw position.

Important: Be sure that the “TOP” arrow on the sticker points toward the ceiling.

8. Drill the 3 red dots and insert the supplied plastic screw anchor.
9. Secure the camera to wall using 3 supplied screws.

10. Insert a micro SD card to the camera.
11. Secure the inner housing cover using the supplied torx wrench.
12. Secure the supplied camera cover (hard-ceiling mount) using the supplied torx wrench.

4.6 Convex Corner Mount

Required accessories:

- GV-Mount200
- GV-Mount300
- GV-Mount903

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1), and secure the tube to the end of the housing cap (GV-Mount903, No.2) with M6 screws (GV-Mount903, No. 4).

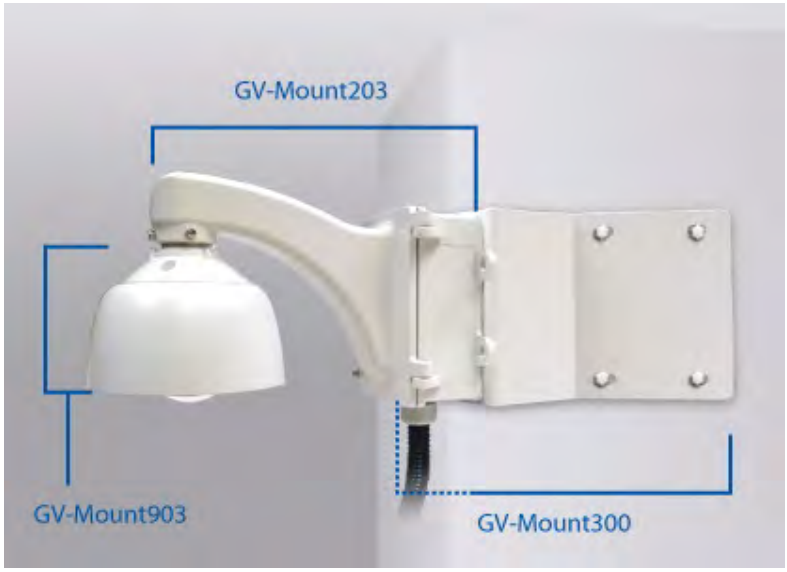
3. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure with the screw cap (GV-Mount300, No. 6).

4. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount300, No. 2) from the front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).

Backside View

5. Secure the plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the *GV-Fisheye IP Camera H.264 User's Manual* on the software CD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

4.7 Convex Corner Box Mount



Required accessories:

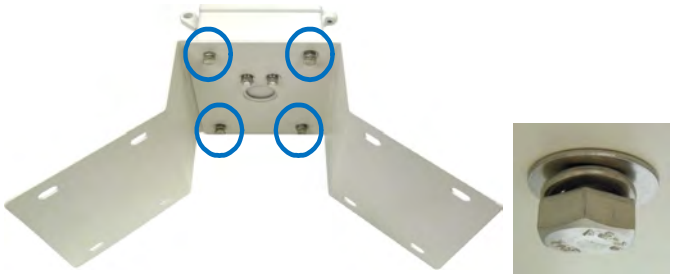
- GV-Mount203
- GV-Mount300
- GV-Mount903

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)

1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure them with the screw cap (GV-Mount300, No. 6).

3. Secure the junction box (GV-Mount203, No. 1) to the mounting plates from the backside using the 25 mm M8 screw (GV-Mount300, No. 3), plain washer (GV-Mount300, No. 4), and split washer (GV-Mount300, No. 5).



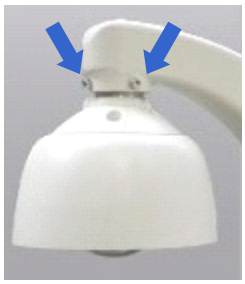
Back View

4. Secure the mounting plates to the wall with 8 self-prepared screws. Face the conduit exit downward.
5. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

   B. Slide part A and part B to the self-prepared corrugated tube.

   C. Screw part C to the tube.
   D. Thread the necessary wires and cables from the wall or the ceiling through the corrugated tube, plug the tube to the box and secure with part D.

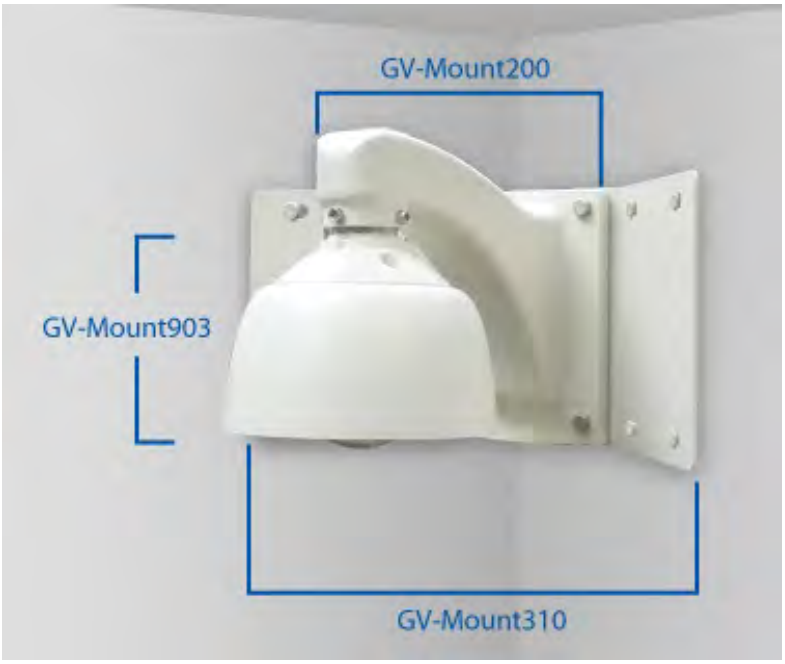
6. Thread the camera cable through the wall pendant tube (GV-Mount203, No. 2), and secure the tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, No. 4).



7. Hinge and hook the pendant tube to the junction box.

8. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*, *GV-Fisheye IP Camera H.264 User's Manual* on the software CD.
9. Conceal the box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
10. Access the live view. See *2.1 Installing on a Network*, *GV-Fisheye IP Camera H.264 User's Manual* on the software CD.

4.8 Concave Corner Mount



Required accessories:

- GV-Mount200
- GV-Mount310
- GV-Mount903

The user needs to prepare:

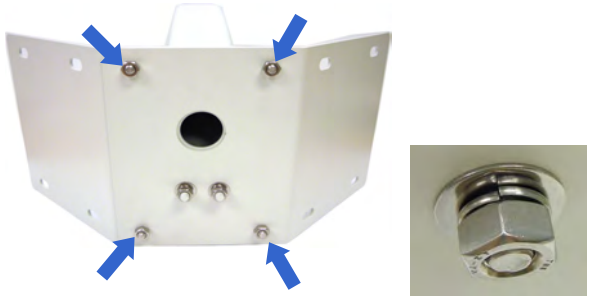
- Screws for wall x 8

1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer (GV-Mount310, No. 4), and secure them with the screw cap (GV-Mount310, No. 5).

3. Thread the camera cable through the wall pendant tube (GV-Mount200, No. 1), and secure the tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, No. 4).

4. Thread the camera cable and secure the pendant tube to the plates. Slide the 30 mm M8 screws (GV-Mount903, No. 2) from the front and secure from the backside using plain washer (GV-Mount903, No. 3), split washer (GV-Mount903, No. 4) and secure with M8 screw cap (GV-Mount903, No. 5).

Front View



Back View

5. Secure the plates to the wall with 8 self-prepared screws.
6. Refer to the indicated sections of the ***GV-Fisheye IP Camera H.264 User's Manual*** on the software CD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

4.9 Pole Mount

Required accessories:

- GV-Mount200
- GV-Mount400 or GV-Mount410
- GV-Mount903

1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Secure the mounting bracket (GV-Mount400 / GV-Mount410, No. 1) to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.

3. Thread the camera cable through the pendant tube (GV-Mount200, No. 1) and secure the the tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, No. 4).

4. Thread the camera cable through the mounting bracket and secure the pendant tube to the bracket. Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer (GV-Mount400 / GV-Mount410, No. 6) and screw cap (GV-Mount400 / GV-Mount410, No. 7).

Backside View

5. Refer to the indicated sections of the ***GV-Fisheye IP Camera H.264 User's Manual*** on the software CD to:
   A. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*.
   B. Access live view. See *2.1 Installing on a Network*.

4.10 Pole Box Mount

Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount903

Required accessories:

- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)

1. Assemble the camera with the dome housing. See *4.1 Assembling the Fisheye Camera with the Dome Housing*.
2. Secure the junction box (GV-Mount203, No. 1) to the mounting bracket (GV-Mount400 / GV-Mount410, No. 1) from the backside using 25 mm M8 screws (GV-Mount400 / GV-Mount410, No. 4), plain washer (GV-Mount400 / GV-Mount410, No. 5) and split washers (GV-Mount400 / GV-Mount410, No. 6).

Backside View

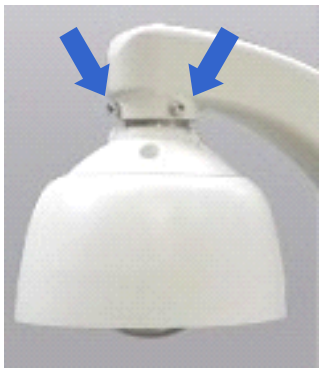
3. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size. Face the conduit exit downward.

4. Assemble the corrugated tube connector (GV-Mount203, No. 4) with the self-prepared corrugated tube.
   A. Dismantle the supplied corrugated tube connector. You should have 4 parts.

   B. Slide part A and part B to the self-prepared corrugated tube.

   C. Screw part C to the tube.
   D. Thread the necessary wires and cables through the corrugated tube, plug the tube to the box and secure with part D.

5. Thread the camera cable through the pendant tube (GV-Mount203, No. 2) and secure the tube to the end of the housing cap (GV-Mount903, No. 2) with M6 screws (GV-Mount903, No. 4).



6. Hinge and hook the pendant tube to the junction box.

7. Connect the network, power and other cables to the camera. See *1.7 Connecting the Data Cable*, *GV-Fisheye IP Camera H.264 User's Manual* on the software CD.
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).
9. Access the live view. See *2.1 Installing on a Network*, *GV-Fisheye IP Camera H.264 User's Manual* on the software CD.

5. Installing the GV-SD220/220-S IP Speed Dome

5.1 Assembling GV-SD220-S with Pendant Tube

Required Item

- GV-SD220 standard package

1. Insert the desiccants to the camera.

   A. Remove the camera cover using the supplied hex key.

B. Insert two desiccant packs to indicated positions.

IMPORTANT: Be sure the desiccant is concealed in the GV-IP Speed Dome within 2 minutes of opening the desiccant pack.

C. Follow step 1 to secure the camera cover with the supplied hex key.

2. Assemble the camera with the pendant tube.

A. Thread the camera cable through the pendant tube.

B. Rotate the camera and lock it to the pendant tube.

C. Secure the camera to the pendant tube with the supplied M6 screws.

5.2 GV-SD220 In-Ceiling Mount

This installation method is only applicable to **indoor GV-IP Speed Dome** (**GV-SD220**).

Required Items

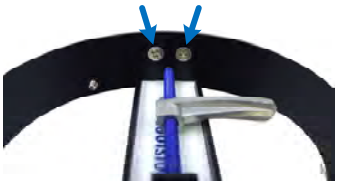
- GV-Mount907

The user needs to prepare:

- ceiling screws x 3

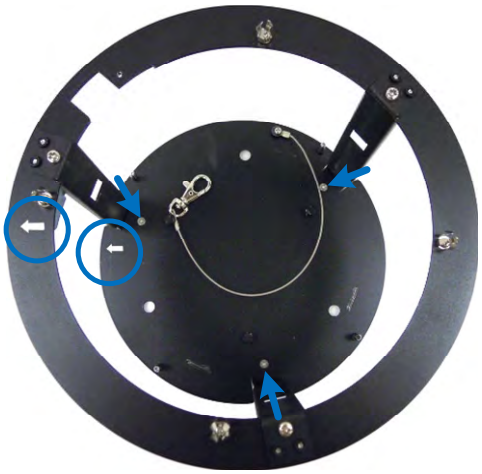
1. Assemble the support racks, mounting plate and the mounting ring.

   A. Secure the three support racks (GV-Mount907, No. 1) to the mounting ring (GV-Mount907, No.2) from the underside with screws (GV-Mount907, No. 3).



   B. Secure the thread lock (GV-Mount907, No. 4) to the mounting plate (GV-Mount907, No. 5) using the screw (GV-Mount907, No. 4).

C. Secure the mounting plate with the support racks with screws (GV-Mount907, No. 3). Make sure the arrows on the mounting ring and mounting plate are aligned.

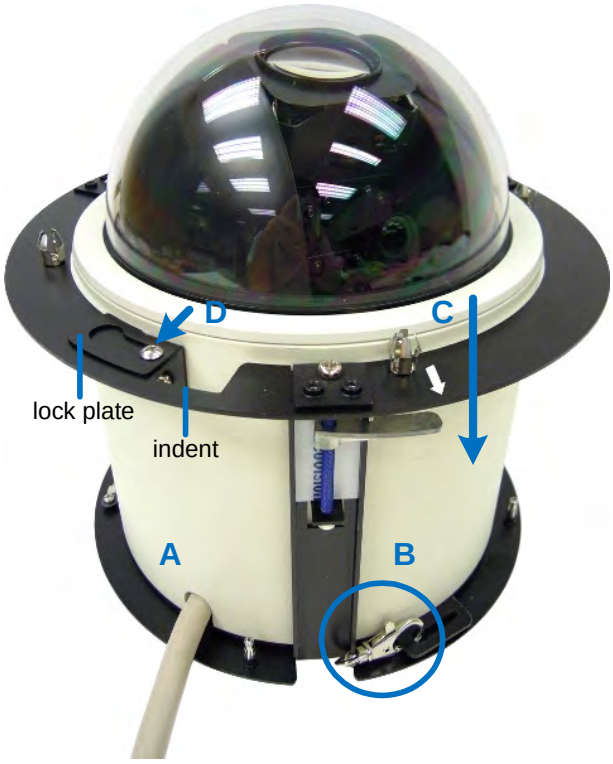


2. Secure the lock plate to the GV-IP Speed Dome.

A. Unscrew the screw on the side of the camera body with the supplied hex key (GV-Mount907, No. 6).

B. Secure the lock plate (GV-Mount907, No. 7) to the camera body with the supplied screw (GV-Mount907, No. 7).

3. Assemble the GV-IP Speed Dome to the assembly done in step 1.



   A. Thread the camera cable under the indent of the mounting ring.

   B. Hook the camera from the underside.

   C. Align the lock plate on the camera to the indent of the mounting ring. The camera should lie completely on the mounting plate.

   D. Rotate the camera to lock and secure the lock plate with the supplied screw.

4. Paste the installation sticker (GV-Mount907, No. 8) to the ceiling and drill the ceiling to the size of the installation sticker.

5. Insert the camera to the ceiling. Adjust the clips and screws to clip the camera tightly to the ceiling.

6. Put on the in-ceiling cover (GV-Mount907, No. 9) to finish installation.

7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

5.3 GV-SD220-S In-Ceiling Mount

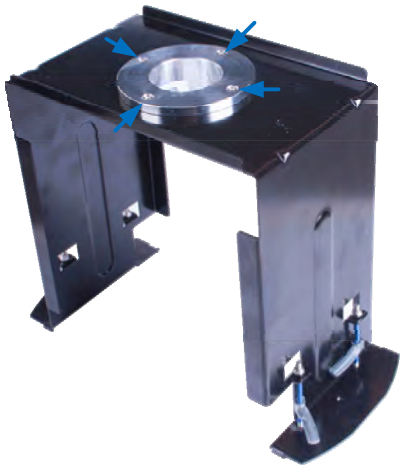
This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

The complete installation weights 6.75 Kg / 14.88 lb. Make sure the chosen ceiling can bear the weight.

Required Items

- GV-Mount908

1. Assemble the housing cap (GV-Mount908, No. 1) with the mounting plate (GV-Mount908, No. 2) with 4 screws (GV-Mount908, No. 3).



IMPORTANT: The housing cap only fits the mounting plate in a certain position. Rotate the housing cap on the mounting plate to make sure it fits tightly before securing it to the mounting plate.

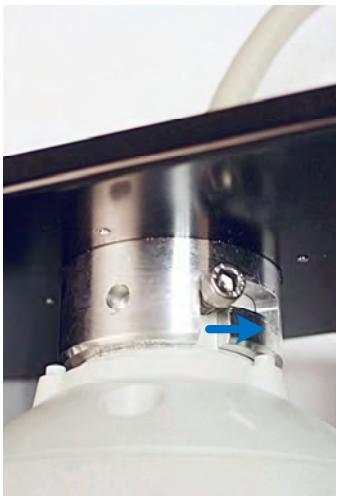
2. Remove the camera dome.

3. Secure the camera with the assembled mounting plate.

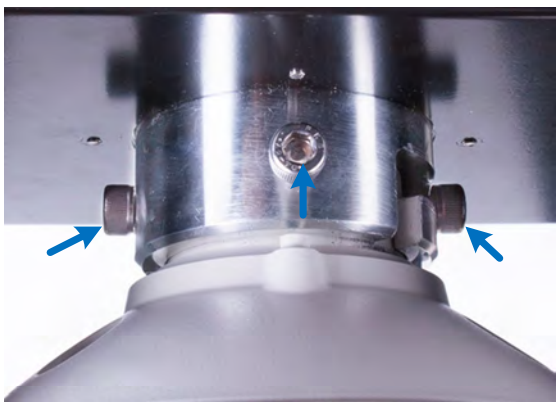
   A. Put 2 screws (GV-Mount908, No. 4) loosely on the opposite sides of the camera.

   B. Thread the camera cable through the mounting plate and the housing cap.

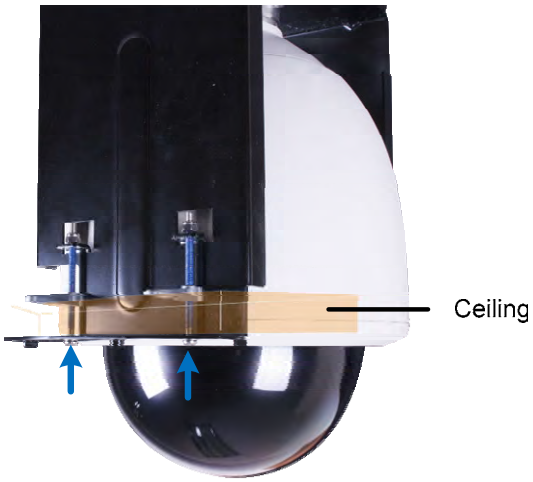
   C. Rotate the camera so that the screws lodge in the housing cap at the indicated position.



   D. Put on another 2 screws (GV-Mount908, No. 4) and use the hex key (GV-Mount908, No.5) to secure all 4 screws tightly.



4. Drill the ceiling. Use the installation sticker (GV-Mount908, No. 6) to help you estimate the size of the camera.
5. Thread the camera cable through the ceiling and insert the camera. Adjust the 4 screws to clip the camera tightly to the ceiling.



6. Secure the in-ceiling cover (GV-Mount908, No. 7) with 2 screws (GV-Mount908, No. 8) using the hex key (standard package).

7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

5.4 Straight Tube Box Mount

This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

Required accessories:

- GV-Mount100

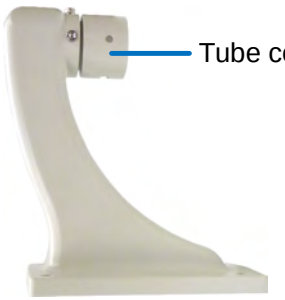
The user needs to prepare:

- Screws for ceiling x 4
- Corrugated tube x 1 (3/4'', ø 26.0 ~ 26.5 mm)

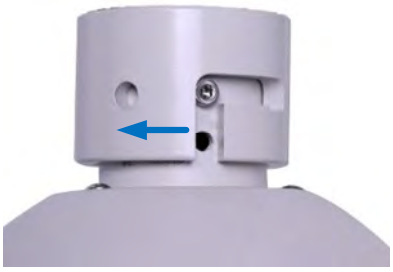
Optionally extend with:

- GV-Mount702

1. Follow step 1 in *5.1 Assembling GV-SD220-S with Pendant Tube* to insert the desiccant packs.
2. Remove the tube connector from the pendant tube with the supplied hex key. Save the M6 screws for later use.



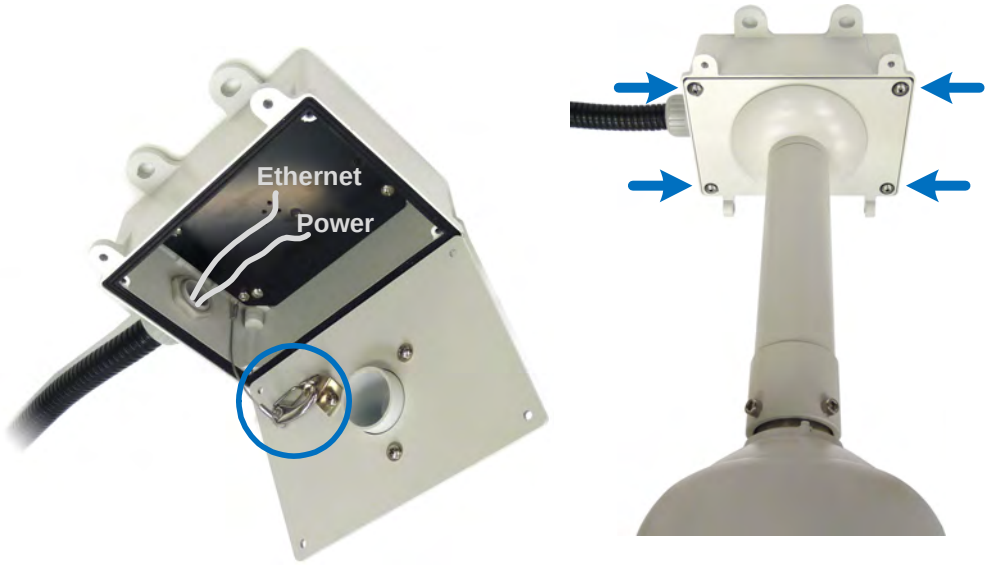
3. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.



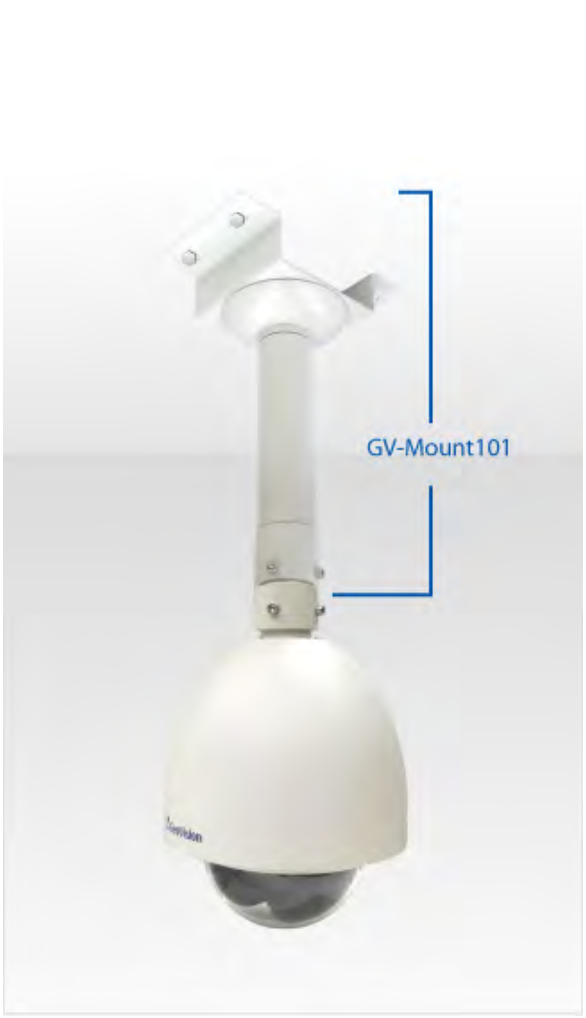
   B. Secure the tube connector with the supplied M6 screws.

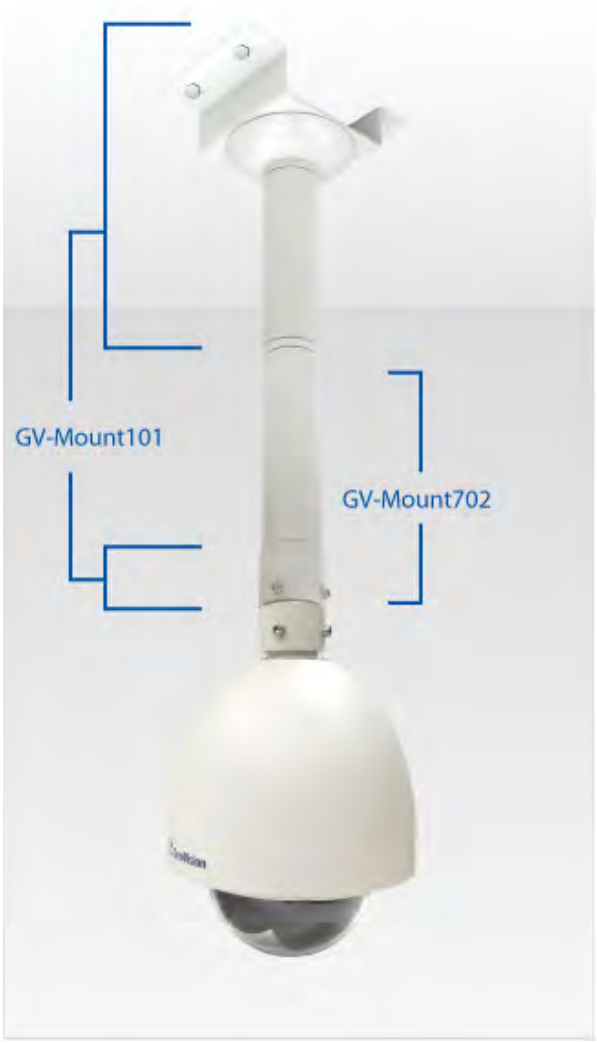
4. Assemble the tube (GV-Mount100, No. 3) and the tube connector (GV-Mount100, No. 4).

5. Thread the camera cable through the tube and secure the tube to the dome with M6 screws.
6. Follow steps 3 to 6 in *4.2 Straight Tube Box Mount* to secure the tube and the junction box.
7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.
8. Hinge and hook the box cover and secure it with M5 flat screws (GV-Mount100, No. 5).



5.5 Straight Tube Mount





This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

Required accessories:

- GV-Mount101

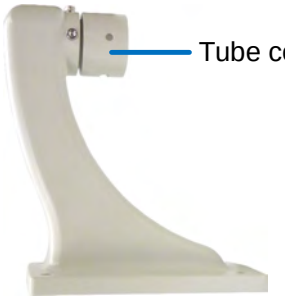
The user needs to prepare:

- Screws for ceiling x 4

Optionally extend with:

- GV-Mount702

1. Follow steps 1 to 3 in *5.1 Assembling GV-SD220-S with Pendant Tube* to insert the desiccant.
2. Remove the tube connector from the pendant tube with the supplied hex key.



3. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.

   B. Secure the tube connector with the supplied M6 screws.

4. Assemble the tube (GV-Mount101, No. 2) and the tube connector (GV-Mount101, No. 3).

5. Thread the camera cable through the tube and secure the tube to the dome with M6 screws.

6. Follow steps 4 to 6 in *4.3 Straight Tube Mount* to assemble the mounting bracket and secure the dome to the ceiling.
7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

5.6 Convex Corner Mount

This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

Required accessories:

- Pendant Tube (in GV-SD220-S standard package)
- GV-Mount300

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the pendant tube. See *5.1 Assembling GV-SD220-S with Pendant Tube*.
2. Follow steps 3 to 5 in *4.6 Convex Corner Mount* to assemble the mounting plates to the camera and secure the camera to the wall.
3. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

5.7 Convex Corner Box Mount

This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

Required accessories:

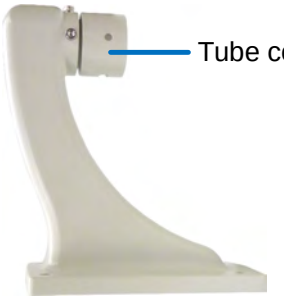
- GV-Mount203
- GV-Mount300

The user needs to prepare:

- Screws for wall x 8
- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)

1. Follow steps 2 to 5 in *4.7 Convex Corner Box Mount* to assemble the mounting plates, box and corrugated tube and secure them to the wall.
2. Follow step 1 in *5.1 Assembling GV-SD220-S with Pendant Tube* to insert the desiccant packs.

3. Remove the tube connector from the pendant tube with the supplied hex key. Save the M6 screws for later use.



4. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.

   B. Secure the tube connector with the supplied M6 screws.

5. Thread the camera cable through the wall pendant tube (GV-Mount203, No. 2), and assemble the dome housing and the tube with M6 screws.

6. Hinge and hook the pendant tube to the junction box.

7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.
8. Conceal the box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).

5.8 Concave Corner Mount

This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

Required accessories:

- Pendant Tube (in GV-SD220-S standard package)
- GV-Mount310

The user needs to prepare:

- Screws for wall x 8

1. Assemble the camera with the pendant tube. See *5.1 Assembling GV-SD220-S with Pendant Tube*.
2. Follow steps 2, 4 and 5 in *4.8 Concave Corner Mount* to assemble the mounting plates and secure the camera to the wall.
3. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

5.9 Pole Mount

This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

Required accessories:

- Pendant Tube (in GV-SD220-S standard package)
- GV-Mount400 or GV-Mount410

1. Assemble the camera with the pendant tube. See *5.1 Assembling GV-SD220-S with Pendant Tube*.
2. Follow step 2 in *4.9 Pole Mount* to secure the pole mount bracket.
3. Follow step 4 in *4.9 Pole Mount* to secure the camera to the pole.
4. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.

5.10 Pole Box Mount

This installation method is only applicable to **outdoor GV-IP Speed Dome** (**GV-SD220-S**).

Required accessories:

- GV-Mount203
- GV-Mount400 or GV-Mount410
- GV-Mount903

Required accessories:

- Corrugated tube x 1 (3/4", ø 26.0 ~ 26.5 mm)

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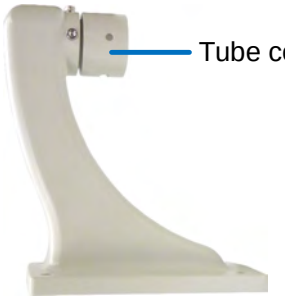
1. Follow step 1 in *5.1 Assembling GV-SD220-S with Pendant Tube* to insert the desiccant.
2. Follow steps 2 to 4 in *4.10 Pole Box Mount* to install the junction box, mounting bracket and corrugated tube.

3. Remove the tube connector from the pendant tube with the supplied hex key. Save the M6 screws for later use.



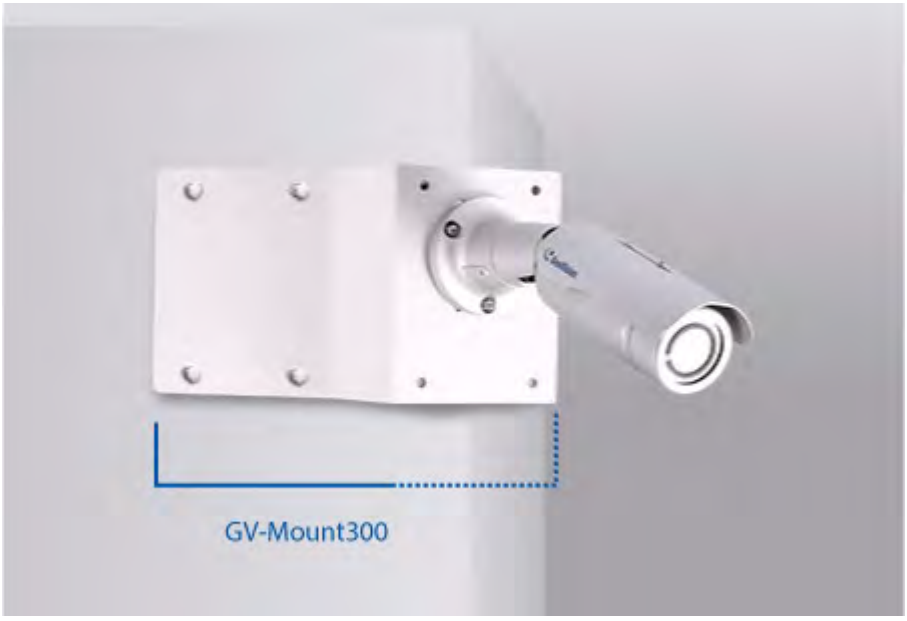
4. Secure the tube connector to the dome.
   A. Assemble the tube connector with the dome and rotate the tube connector to lock it with the dome.

   B. Secure the tube connector with the supplied M6 screws.

5. Thread the camera cable through the pendant tube (GV-Mount203, No. 2) and secure them together with M6 screws.
6. Follow step 6 in *4.10 Pole Box Mount* to hook the pendant tube to the junction box.
7. Connect the network, power and other cables to the camera. See *1.6 Connecting the Camera*, *GV-IP Speed Dome GV-SD220 User's Manual* on the software CD.
8. Conceal the junction box with M5 screws (GV-Mount203, No. 3) using the torx wrench (GV-Mount203, No. 5).

6. Installing the Bullet Camera

6.1 Convex Corner Mount



Required accessories:

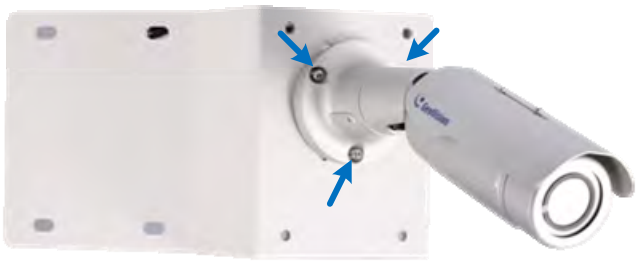
- GV-Mount300

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure with the screw cap (GV-Mount300, No. 6).

2. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the wall mount brackets.
   B. Slide the M5 screws (GV-Mount300, No. 7) from front and secure from the backside using M5 plain washer (GV-Mount300, No. 8), M5 split washer (GV-Mount300, No. 9) and M5 screw cap (GV-Mount300, No. 10).



Backside View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *6.4.1 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See *6.4.2 Adjusting the Angles* and *6.4.3 Adjusting the Lens and Inserting a Memory Card*.
   D. Install the sun-shield cover. See *6.4.4 Installing the Sun-Shield Cover*.

6.2 Concave Corner Mount

Required accessories:

- GV-Mount310

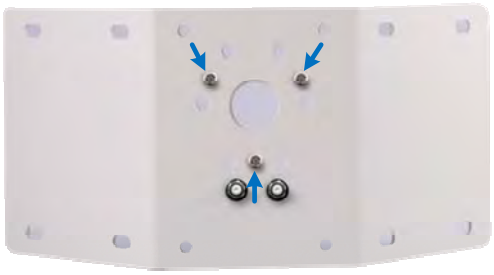
The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer (GV-Mount310, No. 4), and secure them with the screw cap (GV-Mount310, No. 5).

2. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the wall mount brackets.
   B. Slide the M5 screws (GV-Mount310, No. 6) from front and secure from the backside using M5 plain washer (GV-Mount310, No. 7), M5 split washer (GV-Mount310, No. 8) and M5 screw cap (GV-Mount310, No. 9).

Front View



Back View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the **G*V-IPCam H.264 User's Manual* on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *6.4.1 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See *6.4.2 Adjusting the Angles* and *6.4.3 Adjusting the Lens and Inserting a Memory Card*.
   D. Install the sun-shield cover. See *6.4.4 Installing the Sun-Shield Cover*.

6.3 Pole Mount

Required accessories:

- GV-Mount400 or GV-Mount410

1. Assemble the camera with the mounting bracket (GV-Mount400 / GV-Mount410, No.1).
   A. Thread the camera cable through the mounting brackets.
   B. Slide the M5 screws (GV-Mount400 / GV-Mount410, No.8) from front and secure from the backside using M5 plain washer (GV-Mount400 / GV-Mount410, No.9), M5 split washer (GV-Mount400 / GV-Mount410, No.10) and M5 screw cap (GV-Mount400 / GV-Mount410, No.11).

Backside View

2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.

3. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the network, power and other cables to the camera. See *6.4.1 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See *6.4.2 Adjusting the Angles* and *6.4.3 Adjusting the Lens and Inserting a Memory Card*.
   D. Install the sun-shield cover. See *6.4.4 Installing the Sun-Shield Cover*.

7. Installing the Arctic Box Camera

7.1 Convex Corner Mount

Required accessories:

- GV-Mount300

The user needs to prepare:

- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount300, No. 1), slide in the plain washer (GV-Mount300, No. 4), then the split washer (GV-Mount300, No. 5), and secure with the screw cap (GV-Mount300, No. 6).

2. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the mounting plates.
   B. Slide the 30 mm M8 screws (GV-Mount300, No. 2) from front and secure from the backside using plain washer (GV-Mount300, No. 4), split washer (GV-Mount300, No. 5) and screw cap (GV-Mount300, No. 6).

Backside View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the **G*V-IPCam H.264 User's Manual*** **on the software CD** to:
   A. Connect the camera to PoE. See *4.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *4.4 Installation*.
   D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *4.4 Installation*.

7.2 Concave Corner Mount

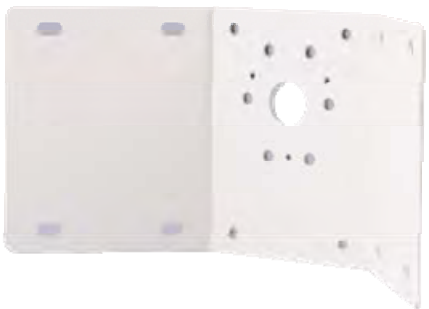
Required accessories:

- GV-Mount310

The user needs to prepare:

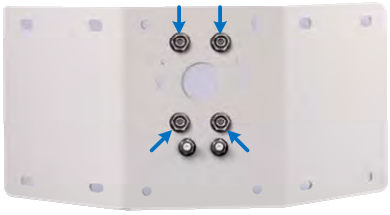
- Screws for wall x 8

1. Assemble the mounting plates (GV-Mount310, No. 1), slide in the plain washer (GV-Mount310, No. 3), then the split washer (GV-Mount310, No. 4), and secure them with the screw cap (GV-Mount310, No. 5).



2. Assemble the camera with the mounting plates.
   A. Thread the camera cable through the mounting plates.
   B. Slide the 30 mm M8 screws (GV-Mount310, No. 2) from front and secure from the backside using plain washer (GV-Mount310, No. 3), split washer (GV-Mount310, No. 4) and screw cap (GV-Mount300, No. 5).

Front View



Back View

3. Secure the plates to the wall with 8 self-prepared screws.
4. Refer to the indicated sections of the **GV-IPCam H.264 User's Manual on the software CD** to:
   A. Connect the camera to PoE. See *4.5 Connecting the Camera*.
   B. Access the live view. See *14.1 Accessing the Live View*.
   C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *4.4 Installation*.
   D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *4.4 Installation*.

7.3 Pole Mount

Required accessories:

- GV-Mount400 or GV-Mount410

1. Assemble the camera with the mounting bracket (GV-Mount400 / GV-Mount410, No.1).
   A. Thread the camera cable through the mounting bracket.
   B. Slide the 30 mm M8 screws (GV-Mount400 / GV-Mount410, No. 3) from the front and secure from the backside using plain washer (GV-Mount400 / GV-Mount410, No. 5), split washer, (GV-Mount400 / GV-Mount410, No. 6) and M8 screw cap (GV-Mount400 / GV-Mount410, No. 7).

Backside View

2. Secure the mounting bracket to the pole using 3 steel straps (GV-Mount400 / GV-Mount410, No. 2). Rotate the screw on the strap to adjust its size.

3. Refer to the indicated sections of the ***GV-IPCam H.264 User's Manual*** **on the software CD** to:

   A. Connect the camera to PoE. See *4.5 Connecting the Camera*.

   B. Access the live view. See *14.1 Accessing the Live View*.

   C. Adjust the angle, focus and zoom of the camera. See steps 6 and 7 in *4.4 Installation*.

   D. Replace the silica gel bag and secure the housing cover. See steps 8 and 9 in *4.4 Installation*.